

APPENDIX G
DATA VALIDATION MEMORANDUM



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**ANALYTICAL DATA ASSESSMENT AND VALIDATION
SOIL SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012**

**PREPARED BY:
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1.0 INTRODUCTION

The following document details an assessment and validation of analytical results reported by Continental Analytical Services for soil samples collected at the Occidental Chemical Corporation (OCC) Site in Wichita, Kansas (Site). The samples were collected in March and April 2012.

A sampling and analysis summary is presented in Table 1. A summary of the analytical methods is presented in Table 2. A summary of the analytical data is presented in Table 3. The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods and the documents entitled:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review," USEPA 540/R-94/013, February 1994
- iii) "Quality Assurance Project Plan, Facility-related Investigative Activities, RCRA Corrective Action Program," Occidental Chemical Corporation, Wichita, Kansas, EPA ID No. KSD007482029, June 2009

Standard laboratory data packages were received from the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results and supporting QA/QC results provided. Data assessment was based on information obtained from final data sheets, method blank data, surrogate recoveries, laboratory control sample/matrix spike recoveries, and field QA/QC samples.

2.0 SAMPLE HOLDING TIMES

The holding time periods are presented in the analytical methods. All samples were prepared and analyzed within the method required holding times. All samples were properly cooled after collection and upon receipt at the laboratory.

3.0 SURROGATE SPIKE RECOVERIES - ORGANICS

In accordance with the methods employed, all samples, blanks, and standards analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chlorinated hydrocarbons, and herbicides were spiked with surrogate compounds prior

to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency and are assessed against laboratory control limits.

All surrogate recoveries were acceptable, indicating good analytical performance with the exception of some high pesticide recoveries. The associated detected pesticide sample results were qualified as estimated (see Table 4).

4.0 METHOD BLANK ANALYSES

The purpose of assessing the results of method blank analyses is to determine the existence and magnitude of sample contamination introduced during analysis. Method blanks are prepared from an analyte-free matrix and analyzed as samples.

For this study, method blanks were analyzed at a minimum frequency of one per analytical batch, and the data were non-detect with the exception of methylene chloride. Associated sample results with concentrations similar to those found in the method blanks were qualified non-detect (see Table 5).

5.0 LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS samples are prepared and analyzed to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. LCS samples were analyzed for all applicable parameters. The results were acceptable for all analytes of interest with the exception of a high hexachlorobenzene recovery. Associated detected sample results were qualified as estimated (see Table 6).

6.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To evaluate the effects of sample matrices on the preparation, measurement procedures, and accuracy of all of the parameters, samples are spiked with a known concentration of the analyte of concern and analyzed as MS samples. The laboratory prepared the spike samples in duplicate to assess analytical precision. For organic analyses, the laboratory established the MS/MSD control limits internally. For those organic compounds not routinely analyzed by the laboratory and that do not have control limits in place, sample results were only qualified if recoveries were less than 10 percent. For the inorganic analyses, the control limits used are 75 to 125 percent. Per the "Guidelines," qualification

of data is not required if the sample results exceed four times the spike concentration added.

MS/MSD analyses were performed as indicated in Table 1. Most MS/MSD analyses performed were acceptable, demonstrating good analytical accuracy and precision. Some outlying MS/MSD analyses were reported, and the associated sample results were qualified as estimated (see Table 7).

7.0 FIELD QA/QC

7.1 RINSE BLANK ANALYSIS

Five rinse blanks were submitted for analysis, as identified in Table 1. All rinse blank results were non-detect.

7.2 FIELD DUPLICATE ANALYSIS

To assess the analytical and sampling precision, one field duplicate sample was collected and submitted "blind" to the laboratory, as indicated in Table 1. All results were comparable, demonstrating good field and laboratory precision with the exception of the data presented in Table 8.

8.0 CONCLUSION

Based on the assessment detailed in the foregoing, the data produced by Continental Analytical Services are acceptable with the specific qualification noted herein.

TABLES

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012

<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Sample Interval</i> (ft. bgs.)	<i>Collection Date</i> (mm/dd/yy)	<i>Collection Time</i> (hr:min)	<i>Analysis/Parameters</i>						<i>Comments</i>	
					<i>Volatile Organic Compounds (VOCs)</i>			<i>Chlorinated Phenols</i>			<i>Total Petroleum Hydrocarbons</i>	
			X	X	X	X	X	X	X	X	X	
S-030612-AK-001	CM-1	7.5-9.5	3/6/2012	9:40							x	X
S-030612-AK-002	CM-2	10.0-12.0	3/6/2012	12:45	X	X	X	X			x	X
S-030612-AK-003	CM-3	17.5-19.5	3/6/2012	14:45	X	X	X	X			x	X
S-030612-AK-004	CM-4	7.5-9.5	3/6/2012	16:35	X	X	X	X			x	X
S-030712-AK-005	CM-5	17.5-20.5	3/7/2012	8:45	X	X	X	X			x	X
S-030712-AK-006	CM-5	17.5-20.5	3/7/2012	9:00	X	X	X	X			x	Field Duplicate of S-030712-AK-005
S-030712-AK-007	CM-6	17.5-19.5	3/7/2012	10:20	X	X	X	X			x	X
S-030712-AK-008	CM-7	7.5-9.5	3/7/2012	13:30	X	X	X	X			x	X
S-030712-AK-009	CM-8	7.5-9.5	3/7/2012	15:30	X	X	X	X			x	X
S-030812-AK-010	CM-9	7.5-9.5	3/8/2012	9:15	X	X	X	X			x	X
S-030812-AK-011	CM-10	6.0-8.0	3/8/2012	13:00	X	X	X	X			x	X
S-030812-AK-012	CM-11	17.5-19.5	3/8/2012	14:50	X	X	X	X			x	X
S-030912-AK-013	CM-12	7.5-10.5	3/9/2012	9:20	X	X	X	X			x	X
S-030912-AK-014	CM-12	7.5-10.5	3/9/2012	9:20	X	X	X	X			x	Field Duplicate of S-030912-AK-013
S-030912-AK-015	CM-13	7.5-9.5	3/9/2012	11:05	X	X	X	X			x	X
WG-030912-AK-016	NA	NA	3/9/2012	12:25	X	X	X	X			x	Rinse Blank
S-031212-AK-020	CM-17	10.0-12.0	3/12/2012	11:40	X	X	X	X			x	X
S-031212-AK-021	CM-18	10.0-12.0	3/12/2012	14:05	X	X	X	X			x	X
S-031212-AK-022	CM-19	7.5-8.5	3/12/2012	16:10	X	X	X	X			x	X
S-031212-AK-023	CM-19	17.5-18.5	3/12/2012	16:15	X	X	X	X			x	X
S-031312-AK-024	CM-20	9.0-11.0	3/13/2012	9:05	X	X	X	X			x	X
S-031312-AK-025	CM-21	5.0-7.0	3/13/2012	10:30	X	X	X	X			x	X
S-031312-AK-026	CM-22	5.0-7.0	3/13/2012	14:25	X	X	X	X			x	X
S-031312-AK-027	CM-22	37.5-40.5	3/13/2012	14:50	X	X	X	X			x	X
S-031312-AK-028	CM-22	37.5-40.5	3/13/2012	15:05	X	X	X	X			x	Field Duplicate of S-031312-AK-027
S-031312-AK-029	CM-23	6.0-7.5	3/13/2012	16:20	X	X	X	X			x	X
S-031412-AK-030	CM-24	5.5-7.5	3/14/2012	8:45	X	X	X	X			x	X
S-031412-AK-031	CM-25	5.5-7.5	3/14/2012	10:15	X	X	X	X			x	MS/MSD
S-031412-AK-033	CM-26	9.5-13.5	3/14/2012	14:00	X	X	X	X			x	X
S-031412-AK-034	CM-27	7.5-9.5	3/14/2012	15:35	X	X	X	X			x	Rinse Blank
WG-031512-AK-035	NA	NA	3/15/2012	7:45	X	X	X	X			x	X
S-031512-AK-036	CM-28	8.5-10.5	3/15/2012	8:50	X	X	X	X			x	X
S-031512-AK-037	CM-29	5-7.5	3/15/2012	10:00	X	X	X	X			x	X
S-031512-AK-038	CM-29	17.5-19.5	3/15/2012	10:15	X	X	X	X			x	X
S-031512-AK-039	CM-30	5-7.5	3/15/2012	13:45	X	X	X	X			x	X
S-031512-AK-040	CM-31	17.5-19.5	3/15/2012	15:05	X	X	X	X			x	X
S-031512-AK-041	CM-31	32.5-35	3/15/2012	15:20	X	X	X	X			x	X
S-031612-AK-042	CM-32	5.0-7.5	3/16/2012	9:50	X	X	X	X			x	X
S-031612-AK-043	CM-33	39.0-41.0	3/16/2012	12:40	X	X	X	X			x	X
S-031612-AK-044	CM-33	5.0-10.0	3/16/2012	13:15	X	X	X	X			x	X
S-031912-AK-045	CM-34	17.0-19.0	3/19/2012	15:05	X	X	X	X			x	X
S-031912-AK-046	CM-35	5.0-7.0	3/19/2012	16:50	X	X	X	X			x	X
S-032012-AK-047	CM-36	30.0-32.5	3/20/2012	9:10	X	X	X	X			x	X
S-032012-AK-048	CM-36	15.0-17.0	3/20/2012	9:30	X	X	X	X			x	X
S-032012-AK-049	CM-37	35.0-37.0	3/20/2012	11:15	X	X	X	X			x	X
S-032012-AK-050	CM-37	20.0-22.0	3/20/2012	11:40	X	X	X	X			x	X
S-032012-AK-051	CM-38	5.0-10.0	3/20/2012	15:15	X	X	X	X			x	X
S-032012-AK-052	CM-38	5.0-10.0	3/20/2012	15:30	X	X	X	X			x	Field Duplicate of S-032012-AK-051
S-032012-AK-053	CM-38	20.0-22.0	3/20/2012	15:35	X	X	X	X			x	X

TABLE 1

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<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Sample Interval</i> (ft. bgs.)	<i>Collection Date</i> (mm/dd/yy)	<i>Collection Time</i> (hr:min)	<i>Analysis/Parameters</i>							<i>Comments</i>		
					<i>Volatile Organic Compounds (VOCs)</i>			<i>Chlorinated Phenols</i>		<i>Chlorinated Hydrocarbons (SVOCs)</i>		<i>Total Petroleum Hydrocarbons</i>		
					X	X	X	X	X	X	X	X		
S-032112-AK-054	CM-5	30.0-32.0	3/21/2012	8:30										MS/MSD
S-032112-AK-055	CM-3	30.0-35.0	3/21/2012	9:30	X	X	X	X	X					Rinse Blank
WG-032112-AK-056	NA	NA	3/21/2012	9:50	X	X	X	X	X			x	x	
S-032112-AK-057	CM-18	27.5-32.5	3/21/2012	11:00	X	X	X	X	X			x	x	MS/MSD
S-032212-AK-058	CM-39	30.0-34.0	3/22/2012	9:40	X	X	X	X	X			x	x	
S-032212-AK-059	CM-39	11.0-13.0	3/22/2012	10:05	X	X	X	X	X			x	x	
S-032212-AK-060	CM-40	30.0-32.0	3/22/2012	11:15	X	X	X	X	X			x	x	
S-032212-AK-061	CM-40	10.0-12.0	3/22/2012	11:45	X	X	X	X	X			x	x	
S-032212-AK-062	CM-42	32.0-34.0	3/22/2012	15:15	X	X	X	X	X			x	x	
S-032212-AK-063	CM-43	35.0-37.0	3/22/2012	17:05	X	X	X	X	X			x	x	
S-032212-AK-064	CM-43	5.0-7.0	3/22/2012	17:25	X	X	X	X	X			x	x	
S-032312-AK-065	CM-44	29.0-31.0	3/23/2012	9:10	X	X	X	X	X			x	x	
S-032312-AK-066	CM-44	5.0-7.0	3/23/2012	9:30	X	X	X	X	X			x	x	
S-032312-AK-067	CM-45	30.0-32.0	3/23/2012	10:45	X	X	X	X	X			x	x	
S-032312-AK-068	CM-45	10.0-12.0	3/23/2012	11:00	X	X	X	X	X			x	x	
S-032312-AK-069	CM-46	30.0-32.0	3/23/2012	13:20	X	X	X	X	X			x	x	
S-032312-AK-070	CM-46	17.0-19.0	3/23/2012	13:40	X	X	X	X	X			x	x	
S-032612-AK-071	CM-47	30.0-32.0	3/26/2012	14:55	X	X	X	X	X			x	x	
S-032612-AK-072	CM-47	5.0-9.0	3/26/2012	15:10	X	X	X	X	X			x	x	
S-032612-AK-073	CM-47	5.0-9.0	3/26/2012	15:20	X	X	X	X	X			x	x	Field Duplicate of S-032612-AK-072
S-032612-AK-074	CM-48	30.0-32.0	3/26/2012	16:00	X	X	X	X	X			x	x	
S-032612-AK-075	CM-48	5.0-7.0	3/26/2012	16:15	X	X	X	X	X			x	x	
S-032712-AK-076	CM-49	30.0-32.0	3/27/2012	8:40	X	X	X	X	X			x	x	
S-032712-AK-077	CM-49	25.0-27.0	3/27/2012	9:05	X	X	X	X	X			x	x	
S-032712-AK-078	CM-50	30.0-32.0	3/27/2012	10:20	X	X	X	X	X			x	x	
S-032712-AK-079	CM-50	5.0-7.0	3/27/2012	10:35	X	X	X	X	X			x	x	
S-032712-AK-080	CM-51	32.5-34.5	3/27/2012	13:25	X	X	X	X	X			x	x	
S-032712-AK-081	CM-51	12.0-14.0	3/27/2012	13:40	X	X	X	X	X			x	x	
S-032712-AK-082	CM-52	31.5-33.5	3/27/2012	14:45	X	X	X	X	X			x	x	
S-032712-AK-083	CM-52	5.0-7.0	3/27/2012	15:05	X	X	X	X	X			x	x	Rinse Blank
WG-032712-AK-084	NA	NA	3/27/2012	16:40	X	X	X	X	X		x	x	x	
S-032812-AK-085	CM-53	32.5-35.0	3/28/2012	9:20	X	X	X	X	X			x	x	MS/MSD
S-032812-AK-086	CM-53	5.0-10.0	3/28/2012	9:30	X	X	X	X	X			x	x	
S-032812-AK-087	CM-54	31.0-33.0	3/28/2012	11:05	X	X	X	X	X			x	x	
S-032812-AK-088	CM-54	5.0-7.0	3/28/2012	11:20	X	X	X	X	X			x	x	
S-032812-AK-089	CM-55	32.5-34.0	3/28/2012	13:45	X	X	X	X	X			x	x	
S-032812-AK-090	CM-55	5.0-7.0	3/28/2012	13:55	X	X	X	X	X			x	x	
S-032812-AK-091	CM-56	30.0-32.0	3/28/2012	15:15	X	X	X	X	X			x	x	
S-032812-AK-092	CM-56	5.0-7.0	3/28/2012	15:45	X	X	X	X	X		x	x	x	
S-032812-AK-093	CM-57	5.0-7.0	3/28/2012	16:30	X	X	X	X	X			x	x	
S-032812-AK-094	CM-57	30.0-33.0	3/28/2012	17:05	X	X	X	X	X			x	x	
S-032912-AK-095	CM-58	31.0-33.0	3/29/2012	9:35	X	X	X	X	X			x	x	
S-032912-AK-096	CM-58	5.0-7.0	3/29/2012	9:45	X	X	X	X	X			x	x	
S-032912-AK-097	CM-59	31.0-33.0	3/29/2012	11:00	X	X	X	X	X		x	x	x	
S-032912-AK-098	CM-59	5.0-7.0	3/29/2012	11:10	X	X	X	X	X			x	x	
S-032912-AK-099	CM-60	30.0-32.0	3/29/2012	13:45	X	X	X	X	X			x	x	
S-032912-AK-100	CM-60	5.0-7.0	3/29/2012	14:00	X	X	X	X	X			x	x	
S-032912-AK-101	CM-61	30.0-32.0	3/29/2012	15:05	X	X	X	X	X			x	x	
S-032912-AK-102	CM-61	5.0-7.0	3/29/2012	15:10	X	X	X	X	X			x	x	
S-032912-AK-103	CM-62	5.0-7.0	3/29/2012	15:40	X	X	X	X	X			x	x	

TABLE 1

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<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Sample Interval</i> (ft. bgs.)	<i>Collection Date</i> (mm/dd/yy)	<i>Collection Time</i> (hr:min)	<i>Analysis/Parameters</i>								<i>Comments</i>	
					<i>Volatile Organic Compounds (VOCs)</i>				<i>Chlorinated Phenols</i>		<i>Chlorinated Hydrocarbons (SVOCs)</i>		<i>Total Petroleum Hydrocarbons</i>	
					X	X	X	X	X	X	X	X		
S-032912-AK-104	CM-62	30.0-32.0	3/29/2012	16:40										
WG-033012-AK-105	NA	NA	3/30/2012	7:30	X	X	X	X					x	X
S-033012-AK-106	CM-63	31.5-33.5	3/30/2012	8:45	X	X	X	X						X
S-033012-AK-107	CM-63	31.5-33.5	3/30/2012	8:55	X	X	X	X						X
S-033012-AK-108	CM-63	5.0-7.0	3/30/2012	9:00	X	X	X	X						X
S-033012-AK-109	CM-64	30.0-32.0	3/30/2012	10:35	X	X	X	X					x	X
S-033012-AK-110	CM-64	10.0-15.0	3/30/2012	10:50	X	X	X	X						X
S-033012-AK-111	CM-39	4.0	3/30/2012	11:20	X	X	X	X						X
S-033012-AK-112	CM-42	15.0-17.0	3/30/2012	11:45	X	X	X	X						X
S-033012-AK-113	CM-41	16.0-18.0	3/30/2012	12:45	X	X	X	X						X
S-040212-AK-114	CM-7	30.5-32.5	4/2/2012	13:40	X	X	X	X						X
S-040212-AK-115	CM-21	22.5-24.5	4/2/2012	15:05	X	X	X	X						X
S-040312-AK-122	CM-65	30.0-33.0	4/3/2012	13:15	X	X	X	X						X
S-040312-AK-123	CM-65	5.0-7.0	4/3/2012	13:25	X	X	X	X						X
S-040312-AK-124	CM-66	30.0-34.0	4/3/2012	14:20	X	X	X	X						X
S-040312-AK-125	CM-66	30.0-34.0	4/3/2012	14:30	X	X	X	X					x	X
S-040312-AK-126	CM-66	10.0-12.0	4/3/2012	14:40	X	X	X	X						X
S-040312-AK-127	CM-67	29.0-31.0	4/3/2012	15:30	X	X	X	X						X
S-040312-AK-128	CM-67	5.0-7.0	4/3/2012	15:40	X	X	X	X						X
<i>Penta Area</i>														
S-030912-AK-017	PA-53	3.0-5.0	3/9/2012	13:50	x	x	x	x					x	
S-030912-AK-018	PA-52	1.0-3.0	3/9/2012	13:20	x	x	x	x					x	
S-030912-AK-019	PA-54	1.0-3.0	3/9/2012	14:30	x	x	x	x					x	
<i>Inorganics Area</i>														
S-040212-AK-116	IA-100	31.5-33.5	4/2/2012	16:40	x	x	x	x	x	x	x	x		
S-040212-AK-117	IA-100	5.0-7.0	4/2/2012	16:50	x	x	x	x	x	x	x	x		
S-040312-AK-118	IA-101	30.0-32.0	4/3/2012	8:35	x	x	x	x	x	x	x	x		
S-040312-AK-119	IA-101	5.0-7.0	4/3/2012	9:25	x	x	x	x	x	x	x	x		
S-040312-AK-120	IA-102	30.0-32.0	4/3/2012	10:35	x	x	x	x	x	x	x	x		
S-040312-AK-121	IA-102	5.0-7.0	4/3/2012	10:45	x	x	x	x	x	x	x	x		

Notes:

MS Matrix Spike.

MSD Matrix Spike Duplicate.

TABLE 2

**SUMMARY OF ANALYTICAL METHODS
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012**

<i>Parameter</i>	<i>Method</i>
Volatile Organic Compounds	SW-846 8260B ⁽¹⁾
Semi-volatile Organic Compounds	SW-846 8270C ⁽¹⁾
Chlorinated Hydrocarbons	SW-846 8121 ⁽¹⁾
Herbicides	SW-846 8151 ⁽¹⁾
Chloride	EPA 300.0 ⁽²⁾
Total Petroleum Hydrocarbons	SW-846 8015D ⁽¹⁾
Total Organic Carbon	SW-846 9060 ⁽¹⁾

Notes:

⁽¹⁾ "Test Methods for Solid Waste/Physical Chemical Methods," SW-846, 3rd Edition, September 1986 (with all subsequent revisions).

⁽²⁾ "Methods for Chemical Analysis of Water and Wastes", USEPA 600/4-79-220, USEPA United States Environmental Protection Agency.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-1	CM-2	CM-3	CM-3	CM-4	CM-5	CM-5	CM-5	CM-6	
<i>Sample ID:</i>	S-030612-AK-001	S-030612-AK-002	S-030612-AK-003	S-032112-AK-055	S-030612-AK-004	S-030712-AK-005	S-030712-AK-006	S-032112-AK-054	S-030712-AK-007	
<i>Sample Date:</i>	3/6/2012	3/6/2012	3/6/2012	3/21/2012	3/6/2012	3/7/2012	3/7/2012	3/21/2012	3/7/2012	
<i>Sample Depth:</i>	(7.5-9.5) ft BGS	(10-12) ft BGS	(17.5-19.5) ft BGS	(30-35) ft BGS	(7.5-9.5) ft BGS	(17.5-20.5) ft BGS	(17.5-20.5) ft BGS	(30-32) ft BGS	(17.5-19.5) ft BGS	
									(Duplicate)	
<i>Parameters</i>	<i>Units</i>									
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/kg	61.3	72.0	5.2 U	5.9 U	4.9	5.2 U	40 U	30 U	4.6 U
1,2-Dichloroethane	µg/kg	4.1 U	4.9 U	5.2 U	5.9 U	4.8 U	5.2 U	4.1 U	30 U	4.6 U
1,2-Dichloropropane	µg/kg	4.1 U	4.9 U	5.2 U	5.9 U	4.8 U	5.2 U	4.1 U	30 U	4.6 U
Benzene	µg/kg	4.1 U	4.9 U	5.2 U	5.9 U	4.8 U	5.2 U	4.1 U	30 U	4.6 U
Carbon tetrachloride	µg/kg	300	4.9 U	20.9	11	4.8 U	8.6 J	1550 J	40	66.0
Chloroform (Trichloromethane)	µg/kg	5600	4.9 U	53.0	11	4.8 U	5.2 UJ	430 J	30	5840
Chloromethane (Methyl chloride)	µg/kg	4.1 U	4.9 U	5.2 U	5.9 U	4.8 U	5.2 U	4.1 U	30 U	4.6 U
Methylene chloride	µg/kg	4.1 U	4.9 U	5.2 U	5.9 U	4.8 U	5.2 U	4.1 U	30 U	1990
Tetrachloroethene	µg/kg	400	4.9 U	12.8	18.3	4.8 U	5.2 UJ	110 J	30 U	10
Trichloroethene	µg/kg	25.9	19.9	5.2 U	5.9 U	12	5.2 U	4.1 U	30 U	7.1
Vinyl chloride	µg/kg	4.1 U	4.9 U	5.2 U	5.9 U	4.8 U	5.2 U	4.1 U	30 U	4.6 U
Semi-volatile Organic Compounds										
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.4 U	2.1 U	2.4 U	2.4 U	2.1 U	2.2 U	2.3 U	1.9 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.4 U	2.1 U	2.4 U	2.4 U	2.1 U	2.2 U	2.3 U	1.9 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U
2,5-Dichlorophenol	mg/kg	1.1 U	1.2 U	1.0 U	1.2 U	1.2 U	1.0 U	1.1 U	1.1 U	0.96 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U	0.5 U	0.5 U	0.6 U	0.5 U
3/4-Chlorophenol	mg/kg	2.3 U	2.4 U	2.1 U	2.4 U	2.4 U	2.1 U	2.2 U	2.3 U	1.9 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
beta-BHC	mg/kg	0.02	0.02 U	0.02 U	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
delta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	0.02 U	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	0.02 U	0.08 J	0.02 U	0.02 U	0.02 U	0.04	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.02 U	0.02 U	0.03	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	<i>CM-1</i>	<i>CM-2</i>	<i>CM-3</i>	<i>CM-3</i>	<i>CM-4</i>	<i>CM-5</i>	<i>CM-5</i>	<i>CM-5</i>	<i>CM-6</i>
<i>Sample ID:</i>	S-030612-AK-001	S-030612-AK-002	S-030612-AK-003	S-032112-AK-055	S-030612-AK-004	S-030712-AK-005	S-030712-AK-006	S-032112-AK-054	S-030712-AK-007
<i>Sample Date:</i>	3/6/2012	3/6/2012	3/6/2012	3/21/2012	3/6/2012	3/7/2012	3/7/2012	3/21/2012	3/7/2012
<i>Sample Depth:</i>	(7.5-9.5) ft BGS	(10-12) ft BGS	(17.5-19.5) ft BGS	(30-35) ft BGS	(7.5-9.5) ft BGS	(17.5-20.5) ft BGS	(17.5-20.5) ft BGS	(30-32) ft BGS	(17.5-19.5) ft BGS
									(Duplicate)
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	40.	22	26	80.	92	25	36	148
Total organic carbon (TOC)	mg/kg	2500	-	1000 U	-	-	-	-	-
Total solids	%wt	87.0	84.6	95.8	84.5	83	95.4	91.7	87.5
									90.5

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-7	CM-7	CM-8	CM-9	CM-10	CM-11	CM-12	CM-12	CM-13
<i>Sample ID:</i>	S-030712-AK-008	S-040212-AK-114	S-030712-AK-009	S-030812-AK-010	S-030812-AK-011	S-030812-AK-012	S-030912-AK-013	S-030912-AK-014	S-030912-AK-015
<i>Sample Date:</i>	3/7/2012	4/2/2012	3/7/2012	3/8/2012	3/8/2012	3/8/2012	3/9/2012	3/9/2012	3/9/2012
<i>Sample Depth:</i>	(7.5-9.5) ft BGS	(30.5-32.5) ft BGS	(7.5-9.5) ft BGS	(7.5-9.5) ft BGS	(6-8) ft BGS	(17.5-19.5) ft BGS	(7.5-10.5) ft BGS	(7.5-10.5) ft BGS	(7.5-9.5) ft BGS
									(Duplicate)
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	4.7 U	30 U	4.9 U	4.7 U	4.9 U	4.7 U	4.7 U	29.1
1,2-Dichloroethane	µg/kg	12	30 U	4.9 U	4.7 U	4.9 U	4.7 U	410	240
1,2-Dichloropropane	µg/kg	4.7 U	30 U	4.9 U	4.7 U	4.9 U	4.7 U	550	200
Benzene	µg/kg	4.7 U	30 U	14.6	4.7 U	4.9 U	4.7 U	5.3	4.3 U
Carbon tetrachloride	µg/kg	3500	380	4.9 U	43.6	290	290	800 J	280 J
Chloroform (Trichloromethane)	µg/kg	13200	1150	17.4	120	1900	7070	4160	1500
Chloromethane (Methyl chloride)	µg/kg	4.7 U	30 U	4.9 U	4.7 U	4.9 U	4.7 U	4.7 U	4.6 U
Methylene chloride	µg/kg	15.2	290	4.9 U	4.7 U	4.9 U	4.7 U	200	100
Tetrachloroethene	µg/kg	500 U	50	4.9 U	22.9	84.1	14.3	870	320
Trichloroethene	µg/kg	66.3	30 U	4.9 U	5.9	30.0	4.7 U	90.0	74.4
Vinyl chloride	µg/kg	4.7 U	30 U	4.9 U	4.7 U	4.9 U	4.7 U	4.3 U	4.6
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.4 U	2.1 U	2.4 U	2.4 U	2.4 U	2.1 U	2.4 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.4 U	2.1 U	2.4 U	2.4 U	2.4 U	2.1 U	2.4 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.0 U	1.2 U	1.2 U	1.2 U	1.0 U	1.2 U	1.1 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.4 U	2.1 U	2.4 U	2.4 U	2.4 U	2.1 U	2.4 U	2.3 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
beta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
delta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.09	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04
Hexachloroethane	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	<i>CM-7</i>	<i>CM-7</i>	<i>CM-8</i>	<i>CM-9</i>	<i>CM-10</i>	<i>CM-11</i>	<i>CM-12</i>	<i>CM-12</i>	<i>CM-13</i>
<i>Sample ID:</i>	S-030712-AK-008	S-040212-AK-114	S-030712-AK-009	S-030812-AK-010	S-030812-AK-011	S-030812-AK-012	S-030912-AK-013	S-030912-AK-014	S-030912-AK-015
<i>Sample Date:</i>	3/7/2012	4/2/2012	3/7/2012	3/8/2012	3/8/2012	3/8/2012	3/9/2012	3/9/2012	3/9/2012
<i>Sample Depth:</i>	(7.5-9.5) ft BGS	(30.5-32.5) ft BGS	(7.5-9.5) ft BGS	(7.5-9.5) ft BGS	(6-8) ft BGS	(17.5-19.5) ft BGS	(7.5-10.5) ft BGS	(7.5-10.5) ft BGS	(7.5-9.5) ft BGS
									(Duplicate)
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	100 U	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	224	62	56	12 U	51	135	174	110
Total organic carbon (TOC)	mg/kg	-	-	-	2200	-	-	-	-
Total solids	%wt	84.0	96.9	84.4	83.3	82.0	95.5	84.2	88.0
									83.1

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-17	CM-18	CM-18	CM-19	CM-19	CM-20	CM-21	CM-21	CM-22
<i>Sample ID:</i>	S-031212-AK-020	S-031212-AK-021	S-032112-AK-057	S-031212-AK-022	S-031212-AK-023	S-031212-AK-024	S-031212-AK-025	S-040212-AK-115	S-031312-AK-026
<i>Sample Date:</i>	3/12/2012	3/12/2012	3/21/2012	3/12/2012	3/12/2012	3/13/2012	3/13/2012	4/2/2012	3/13/2012
<i>Sample Depth:</i>	(10-12) ft BGS	(10-12) ft BGS	(27.5-32.5) ft BGS	(7.5-8.5) ft BGS	(17.5-18.5) ft BGS	(9-11) ft BGS	(5-7) ft BGS	(22.5-24.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	90 U	50 U	30 U	100	30 U	210	90 U	12.2
1,2-Dichloroethane	µg/kg	90 U	50 U	30 U	200	30 U	70	90 U	5.0 U
1,2-Dichloropropane	µg/kg	290	50 U	30 U	100 U	30 U	40 U	90 U	11
Benzene	µg/kg	90 U	50 U	30 U	100 U	30 U	40 U	90 U	5.0 U
Carbon tetrachloride	µg/kg	1300	4460	30	9260	55	6630	360	430
Chloroform (Trichloromethane)	µg/kg	7500	3880	65	5860	40	4310	6460	380
Chloromethane (Methyl chloride)	µg/kg	90 U	50 U	30 U	100 U	30 U	40 U	90 U	5.0 U
Methylene chloride	µg/kg	90 U	50 U	30 U	370	30 U	40 U	200	5.0 U
Tetrachloroethene	µg/kg	1100	3230	40	5370	50	4160	9150	280
Trichloroethene	µg/kg	100	100	30 U	200	30 U	250	200	15.4
Vinyl chloride	µg/kg	90 U	50 U	30 U	100 U	30 U	40 U	200	5.0 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.4 U	2.2 U	2.4 U	2.1 U	2.4 U	2.4 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.4 U	2.2 U	2.4 U	2.1 U	2.4 U	2.3 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.5 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.3 U	2.4 U	2.2 U	2.4 U	2.1 U	2.4 U	2.4 U	2.3 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.04	0.02 U	0.02 U
beta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03
delta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.06 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.03	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	0.02 U	0.52	0.39	0.02 U	0.02 U	2.5
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	0.03	0.10	0.03	0.02 U	0.1	0.02
Hexachloroethane	mg/kg	0.02 U	0.02 U	0.02	0.02 U	0.02 U	0.02 U	0.07	1.3
									0.90

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-17	CM-18	CM-18	CM-19	CM-19	CM-20	CM-21	CM-21	CM-22
<i>Sample ID:</i>	S-031212-AK-020	S-031212-AK-021	S-031212-AK-057	S-031212-AK-022	S-031212-AK-023	S-031212-AK-024	S-031212-AK-025	S-040212-AK-115	S-031312-AK-026
<i>Sample Date:</i>	3/12/2012	3/12/2012	3/21/2012	3/12/2012	3/12/2012	3/13/2012	3/13/2012	4/2/2012	3/13/2012
<i>Sample Depth:</i>	(10-12) ft BGS	(10-12) ft BGS	(27.5-32.5) ft BGS	(7.5-8.5) ft BGS	(17.5-18.5) ft BGS	(9-11) ft BGS	(5-7) ft BGS	(22.5-24.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	110	-
General Chemistry									
Chloride	mg/kg	75	249	79	796	137	1410	1000	470
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-
Total solids	%wt	86.2	83.5	92.4	84.0	94.7	83.6	83.2	88.6
									82.0

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-22	CM-22	CM-23	CM-24	CM-25	CM-26	CM-27	CM-28	CM-29
<i>Sample ID:</i>	S-031312-AK-027	S-031312-AK-028	S-031312-AK-029	S-031412-AK-030	S-031412-AK-031	S-031412-AK-033	S-031412-AK-034	S-031512-AK-036	S-031512-AK-037
<i>Sample Date:</i>	3/13/2012	3/13/2012	3/13/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/15/2012	3/15/2012
<i>Sample Depth:</i>	(37.5-40.5) ft BGS	(37.5-40.5) ft BGS	(6-7.5) ft BGS	(5.5-7.5) ft BGS	(5.5-7.5) ft BGS	(9.5-13.5) ft BGS	(7.5-9.5) ft BGS	(8.5-10.5) ft BGS	(5-7.5) ft BGS
	<i>(Duplicate)</i>								
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	30000	86000	200 U	200 U	500 U	20 U	20 U	200 U
1,2-Dichloroethane	µg/kg	10000 U	20000 U	200 U	970	42600	20 U	20 U	200 U
1,2-Dichloropropane	µg/kg	10000 U	20000 U	200 U	300	18600	64	1000	140
Benzene	µg/kg	10000 U	20000 U	200 U	200 U	500 U	20 U	20 U	200 U
Carbon tetrachloride	µg/kg	1090000	2850000	8120	19800	9400	913 J	1220	2020
Chloroform (Trichloromethane)	µg/kg	20000	50000	660	26500	17000	830. J	1540	3300
Chloromethane (Methyl chloride)	µg/kg	10000 U	20000 U	200 U	200 U	500 U	20 U	20 U	200 U
Methylene chloride	µg/kg	10000 U	20000 U	200 U	8730	4700	20 U	20 U	200 U
Tetrachloroethene	µg/kg	1040000	2640000	2500	15800	6000	692	1120	1280
Trichloroethene	µg/kg	10000 U	20000 U	200 U	500	500 U	75	290	40
Vinyl chloride	µg/kg	10000 U	20000 U	200 U	200 U	500 U	20 U	20 U	200 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.2 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.2 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U	0.6 U
3/4-Chlorophenol	mg/kg	2.3 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.2 U	2.4 U
alpha-BHC	mg/kg	0.6 U	0.6 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.24
beta-BHC	mg/kg	0.6 U	0.6 U	0.07	0.02 U	0.02 U	0.02 U	0.02 U	0.24
delta-BHC	mg/kg	0.6 U	0.6 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U
gamma-BHC (lindane)	mg/kg	0.6 U	0.6 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U
Hexachlorobenzene	mg/kg	80	40	0.02 U	0.06	0.02 U	0.02 U	0.02 U	2.2
Hexachlorobutadiene	mg/kg	380	140	0.04	1.5	0.02 U	0.02 U	0.02 U	8.5
Hexachloroethane	mg/kg	320 J	97 J	0.04	0.8	0.02 U	0.02 U	0.02 U	73

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-22	CM-22	CM-23	CM-24	CM-25	CM-26	CM-27	CM-28	CM-29
<i>Sample ID:</i>	S-031312-AK-027	S-031312-AK-028	S-031312-AK-029	S-031412-AK-030	S-031412-AK-031	S-031412-AK-033	S-031412-AK-034	S-031512-AK-036	S-031512-AK-037
<i>Sample Date:</i>	3/13/2012	3/13/2012	3/13/2012	3/14/2012	3/14/2012	3/14/2012	3/14/2012	3/15/2012	3/15/2012
<i>Sample Depth:</i>	(37.5-40.5) ft BGS	(37.5-40.5) ft BGS	(6-7.5) ft BGS	(5.5-7.5) ft BGS	(5.5-7.5) ft BGS	(9.5-13.5) ft BGS	(7.5-9.5) ft BGS	(8.5-10.5) ft BGS	(5-7.5) ft BGS
	<i>(Duplicate)</i>								
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.04	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	0.06	0.07	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	359	325	65	1890	674	580	1290	92
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-
Total solids	%wt	88.2	86.0	82.3	83.7	83.6	84.1	84.1	82.7
									82.4

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-29	CM-30	CM-31	CM-31	CM-32	CM-33	CM-33	CM-34	CM-35
<i>Sample ID:</i>	S-031512-AK-038	S-031512-AK-039	S-031512-AK-040	S-031512-AK-041	S-031612-AK-042	S-031612-AK-044	S-031612-AK-043	S-031912-AK-045	S-031912-AK-046
<i>Sample Date:</i>	3/15/2012	3/15/2012	3/15/2012	3/15/2012	3/16/2012	3/16/2012	3/16/2012	3/19/2012	3/19/2012
<i>Sample Depth:</i>	(17.5-19.5) ft BGS	(5-7.5) ft BGS	(17.5-19.5) ft BGS	(32.5-35) ft BGS	(5-7.5) ft BGS	(5-10) ft BGS	(39-41) ft BGS	(17-19) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	30 U	200 U	30 U	30 U	30 U	10000 U	30 U	30 U
1,2-Dichloroethane	µg/kg	30 U	200 U	30 U	30 U	30 U	10000 U	30 U	30 U
1,2-Dichloropropane	µg/kg	30 U	200 U	30 U	30 U	30 U	10000 U	30 U	30 U
Benzene	µg/kg	30 U	200 U	30 U	30 U	30 U	10000 U	30 U	30 U
Carbon tetrachloride	µg/kg	50	2600	71	300	4770	808	1020000	440
Chloroform (Trichloromethane)	µg/kg	30 U	5050	1020	631	2730	310	10000 U	729
Chloromethane (Methyl chloride)	µg/kg	30 U	200 U	30 U	30 U	30 U	10000 U	30 U	30 U
Methylene chloride	µg/kg	30 U	200 U	210	190	50 U	190	10000 U	30 U
Tetrachloroethene	µg/kg	59	17800	50	662	2200	1100	655000	170
Trichloroethene	µg/kg	30 U	200 U	30 U	30 U	50 U	30 U	10000 U	30 U
Vinyl chloride	µg/kg	30 U	200 U	30 U	30 U	50 U	30 U	10000 U	30 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.2 U	2.4 U	2.2 U	2.0 U	2.4 U	2.5 U	2.4 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.2 U	2.4 U	2.2 U	2.0 U	2.4 U	2.5 U	11	2.1 U
2,4,5-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.5 U	0.5 U	0.6 U	0.6 U	0.5 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.5 U	0.5 U	0.6 U	0.6 U	0.5 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.5 U	1.4	0.5 U	0.5 U	0.6 U	0.6 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.1 U	1.2 U	1.1 U	1.0 U	1.2 U	1.2 U	1.2 U	1.0 U
2,6-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.5 U	0.5 U	0.6 U	0.6 U	0.5 U	0.6 U
2-Chlorophenol	mg/kg	0.5 U	0.6 U	0.5 U	0.5 U	0.6 U	0.6 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.2 U	2.4 U	2.2 U	2.0 U	2.4 U	2.5 U	2.4 U	2.1 U
alpha-BHC	mg/kg	0.02 U	0.83	0.05	0.7	0.02 U	0.1	5.7 J	0.02 U
beta-BHC	mg/kg	0.02 U	0.59	0.02 U	0.03	0.02 U	0.55	0.6 U	0.03
delta-BHC	mg/kg	0.02 U	0.17	0.02 U	0.04	0.02 U	0.05 U	0.6 U	0.02 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.34	0.02 U	0.12	0.02 U	0.05 U	1	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.23	0.02	0.05	0.02 U	0.2	3.3 J	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.11	0.18	0.25	0.02 U	0.70	18	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.13	0.57	0.8	0.04	0.1	37	0.02 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-29	CM-30	CM-31	CM-31	CM-32	CM-33	CM-33	CM-34	CM-35
<i>Sample ID:</i>	S-031512-AK-038	S-031512-AK-039	S-031512-AK-040	S-031512-AK-041	S-031612-AK-042	S-031612-AK-044	S-031612-AK-043	S-031912-AK-045	S-031912-AK-046
<i>Sample Date:</i>	3/15/2012	3/15/2012	3/15/2012	3/15/2012	3/16/2012	3/16/2012	3/16/2012	3/19/2012	3/19/2012
<i>Sample Depth:</i>	(17.5-19.5) ft BGS	(5-7.5) ft BGS	(17.5-19.5) ft BGS	(32.5-35) ft BGS	(5-7.5) ft BGS	(5-10) ft BGS	(39-41) ft BGS	(17-19) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.5 U	0.2 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	1.6	0.72	2.1	38	13	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	139	520	850	110.	579	151	176	51
Total organic carbon (TOC)	mg/kg	-	-	-	-	2600	-	-	-
Total solids	%wt	93.0	84.2	91.4	97.6	83.4	80.4	82.6	96.8
									82.5

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-36	CM-36	CM-37	CM-37	CM-38	CM-38	CM-38	CM-39	CM-39	
<i>Sample ID:</i>	S-032012-AK-048 S-032012-AK-047 S-032012-AK-050 S-032012-AK-049 S-032012-AK-051 S-032012-AK-052 S-032012-AK-053 S-033012-AK-111 S-032212-AK-059									
<i>Sample Date:</i>	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/30/2012	3/22/2012	
<i>Sample Depth:</i>	(15-17) ft BGS	(30-32.5) ft BGS	(20-22) ft BGS	(35-37) ft BGS	(5-10) ft BGS	(5-10) ft BGS	(20-22) ft BGS	(4-) ft BGS	(11-13) ft BGS	
						(Duplicate)				
<i>Parameters</i>	<i>Units</i>									
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/kg	30 U	40 U	30 U	210	100 U	100 U	30 U	66	90
1,2-Dichloroethane	µg/kg	30 U	40 U	30 U	30 U	100 U	100 U	30 U	30 U	60 U
1,2-Dichloropropane	µg/kg	30 U	40 U	30 U	30 U	680	620	220	30 U	60 U
Benzene	µg/kg	30 U	40 U	30 U	30 U	100 U	100 U	30 U	30 U	60 U
Carbon tetrachloride	µg/kg	30 U	2610	30 U	5060	1400	1400	88	1250	1100
Chloroform (Trichloromethane)	µg/kg	97	2940	120	3840	10500	10100	693	915	1200
Chloromethane (Methyl chloride)	µg/kg	30 U	40 U	30 U	30 U	100 U	100 U	30 U	30 U	60 U
Methylene chloride	µg/kg	30 U	50 U	40 U	60 U	100 U	100 U	30 U	30 U	90
Tetrachloroethene	µg/kg	30 U	2700	30	3820	1100	1100	230	4420	6170
Trichloroethene	µg/kg	30 U	60	30 U	150	100 U	100 U	30 U	50	90
Vinyl chloride	µg/kg	30 U	40 U	30 U	30 U	100 U	100 U	30 U	30 U	60 U
Semi-volatile Organic Compounds										
2,3,4,5-Tetrachlorophenol	mg/kg	2.2 U	2.8 U	2.3 U	2.8 U	2.4 U	2.4 U	2.2 U	2.5 U	2.5 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.2 U	2.8 U	2.3 U	2.8 U	2.4 U	2.4 U	2.2 U	2.5 U	4.7
2,4,5-Trichlorophenol	mg/kg	0.5 U	0.7 U	0.6 U	0.7 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.5 U	0.7 U	0.6 U	0.7 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.5 U	0.7 U	0.6 U	0.7 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.1 U	1.4 U	1.1 U	1.4 U	1.2 U	1.2 U	1.1 U	1.3 U	1.3 U
2,6-Dichlorophenol	mg/kg	0.5 U	0.7 U	0.6 U	0.7 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.5 U	0.7 U	0.6 U	0.7 U	0.6 U	0.6 U	0.5 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.2 U	2.8 U	2.3 U	2.8 U	2.4 U	2.4 U	2.2 U	2.5 U	2.5 U
alpha-BHC	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	3 U	0.2
beta-BHC	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.1 J	0.03 J	0.02 U	7	0.1
delta-BHC	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	3 U	0.05 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	3 U	0.05 U
Hexachlorobenzene	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	39	1.1
Hexachlorobutadiene	mg/kg	0.02 U	0.03 U	0.02 U	0.04	0.02 U	0.02 U	0.02 U	3 U	0.38
Hexachloroethane	mg/kg	0.02 U	0.04	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	3 U	0.2

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-36	CM-36	CM-37	CM-37	CM-38	CM-38	CM-38	CM-39	CM-39		
<i>Sample ID:</i>	S-032012-AK-048 S-032012-AK-047 S-032012-AK-050 S-032012-AK-049 S-032012-AK-051 S-032012-AK-052 S-032012-AK-053 S-033012-AK-111 S-032212-AK-059										
<i>Sample Date:</i>	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/20/2012	3/30/2012	3/22/2012		
<i>Sample Depth:</i>	(15-17) ft BGS	(30-32.5) ft BGS	(20-22) ft BGS	(35-37) ft BGS	(5-10) ft BGS	(5-10) ft BGS	(20-22) ft BGS	(4-) ft BGS	(11-13) ft BGS		
								<i>(Duplicate)</i>			
<i>Parameters</i>	<i>Units</i>										
Herbicides											
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U	0.02 U	0.03	0.3 U		
Pentachlorophenol	mg/kg	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U	0.02 U	1	31		
Petroleum Products											
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-		
Kerosene	mg/kg	-	-	-	-	-	-	-	-		
Motor oil	mg/kg	-	-	-	-	-	-	-	-		
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-		
General Chemistry											
Chloride	mg/kg	48	35	41	152	360.	373	138	1460		
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-		
Total solids	%wt	92.6	70.8	88.6	71.3	83.0	82.7	92.0	79.5		
									78.6		

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-39	CM-40	CM-40	CM-41	CM-42	CM-42	CM-43	CM-43	CM-44
<i>Sample ID:</i>	S-032212-AK-058 S-032212-AK-061 S-032212-AK-060 S-033012-AK-113 S-033012-AK-112 S-032212-AK-062 S-032212-AK-064 S-032212-AK-063 S-032312-AK-066								
<i>Sample Date:</i>	3/22/2012	3/22/2012	3/22/2012	3/30/2012	3/30/2012	3/22/2012	3/22/2012	3/22/2012	3/23/2012
<i>Sample Depth:</i>	(30-34) ft BGS	(10-12) ft BGS	(30-32) ft BGS	(16-18) ft BGS	(15-17) ft BGS	(32-34) ft BGS	(5-7) ft BGS	(35-37) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	180	20 U	270	30 U	40	8000 U	4200	40
1,2-Dichloroethane	µg/kg	30 U	40	100	30 U	30 U	10000	1100	20 U
1,2-Dichloropropane	µg/kg	30 U	20 U	70 U	30 U	30 U	8000 U	200 U	20 U
Benzene	µg/kg	30 U	20 U	70 U	30 U	30 U	8000 U	200 U	20 U
Carbon tetrachloride	µg/kg	3760	1350	5300	702	30	559	25000	10900
Chloroform (Trichloromethane)	µg/kg	734 J	1090	2060	150	57	160	20000	6770
Chloromethane (Methyl chloride)	µg/kg	30 U	20 U	70 U	40	30 U	8000 U	200 U	20 U
Methylene chloride	µg/kg	72	70.	320	30 U	30	8000 U	1400	20 U
Tetrachloroethene	µg/kg	1840	1230	4910	3140	40	1400	545000	28800
Trichloroethene	µg/kg	300	40	290	30 U	30 U	8000 U	800	50
Vinyl chloride	µg/kg	30 U	20 U	70 U	30 U	30 U	8000 U	200 U	20 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.5 U	2.4 U	2.7 U	2.2 U	2.1 U	2.4 U	2.5 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.5 U	2.4 U	2.7 U	2.2 U	2.1 U	2.4 U	2.5 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	2.4	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	1.5	0.6 U	0.7 U	0.6	0.5 U	0.6 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.2 U	1.4 U	1.1 U	1.1 U	1.0 U	1.2 U	1.3 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.5 U	2.4 U	2.7 U	2.2 U	2.2 U	2.1 U	2.4 U	2.5 U
alpha-BHC	mg/kg	0.06 U	0.02 U	0.03 U	0.76 J	0.02 U	0.02 U	0.06	0.03 U
beta-BHC	mg/kg	0.06 U	0.02 U	0.03 U	0.2 J	0.02 U	0.02 U	0.04	0.03 U
delta-BHC	mg/kg	0.06 U	0.02 U	0.03 U	0.1 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-BHC (lindane)	mg/kg	0.06 U	0.02 U	0.03 U	0.2 J	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	0.08 J	0.02 U	0.03 U	5.0 J	0.02 U	0.02 U	0.04	0.03 U
Hexachlorobutadiene	mg/kg	0.54 J	0.02 U	0.36	2.9 J	0.02 U	0.06	0.18	0.03 U
Hexachloroethane	mg/kg	1.2 J	0.02 U	0.08	2.3 J	0.02 U	0.02	0.03	0.02 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-39	CM-40	CM-40	CM-41	CM-42	CM-42	CM-43	CM-43	CM-44
<i>Sample ID:</i>	S-032212-AK-058	S-032212-AK-061	S-032212-AK-060	S-033012-AK-113	S-033012-AK-112	S-032212-AK-062	S-032212-AK-064	S-032212-AK-063	S-032312-AK-066
<i>Sample Date:</i>	3/22/2012	3/22/2012	3/22/2012	3/30/2012	3/30/2012	3/22/2012	3/22/2012	3/22/2012	3/23/2012
<i>Sample Depth:</i>	(30-34) ft BGS	(10-12) ft BGS	(30-32) ft BGS	(16-18) ft BGS	(15-17) ft BGS	(32-34) ft BGS	(5-7) ft BGS	(35-37) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.03 U	0.04	0.02 U	0.02 U	0.03 U	0.02 U
Pentachlorophenol	mg/kg	1.9	0.02 U	0.48	1.5	0.02 U	0.43	0.02 U	1.4
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	960	730	610	86	23	54	406	63
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-
Total solids	%wt	80.8	84.8	73.3	90.3	92.9	96.2	84.3	79
									84.1

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-44	CM-45	CM-45	CM-46	CM-46	CM-47	CM-47	CM-47	CM-48
<i>Sample ID:</i>	S-032312-AK-065 S-032312-AK-068 S-032312-AK-067 S-032312-AK-070 S-032312-AK-069 S-032612-AK-072 S-032612-AK-073 S-032612-AK-071 S-032612-AK-075								
<i>Sample Date:</i>	3/23/2012	3/23/2012	3/23/2012	3/23/2012	3/23/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012
<i>Sample Depth:</i>	(29-31) ft BGS	(10-12) ft BGS	(30-32) ft BGS	(17-19) ft BGS	(30-32) ft BGS	(5-9) ft BGS	(5-9) ft BGS	(30-32) ft BGS	(5-7) ft BGS
<i>(Duplicate)</i>									
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	30 U	72	370	50	50	40	3000 U	20 U
1,2-Dichloroethane	µg/kg	50	20 U	200	50	30 U	20 U	3000 U	20 U
1,2-Dichloropropane	µg/kg	30 U	20 U	100 U	40 U	30 U	20 U	3000 U	20 U
Benzene	µg/kg	30 U	20 U	100 U	40 U	30 U	20 U	3000 U	20 U
Carbon tetrachloride	µg/kg	360	1200	7820	2830	1100	1260	814	81200
Chloroform (Trichloromethane)	µg/kg	643	1290	5520	1460	1640	1240	907	1730
Chloromethane (Methyl chloride)	µg/kg	30 U	20 U	100 U	40 U	30 U	20 U	3000 U	20 U
Methylene chloride	µg/kg	130	20 U	260	40 U	30 U	20 U	3000 U	20 U
Tetrachloroethene	µg/kg	1070	1900	9460	2560	2560	2500	1910	196000
Trichloroethene	µg/kg	56	60.	280	60	70	270	190	3000 U
Vinyl chloride	µg/kg	30 U	20 U	100 U	40 U	30 U	20 U	3000 U	20 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.2 U	2.3 U	2.4 U	2.2 U	2.8 U	2.3 U	2.8 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.2 U	2.3 U	2.4 U	2.2 U	2.8 U	2.3 U	2.8 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.1 U	1.2 U	1.2 U	1.1 U	1.4 U	1.1 U	1.2 U	1.4 U
2,6-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.2 U	2.3 U	2.4 U	2.2 U	2.8 U	2.3 U	2.3 U	2.8 U
alpha-BHC	mg/kg	0.09 J	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.2 U	6 U
beta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.2 U	6 U
delta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.2 U	6 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.2 U	6 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	0.05 J	4.9 J	6 U
Hexachlorobutadiene	mg/kg	0.52 J	0.02 U	0.26	0.02 U	0.03 U	0.04 J	0.3 J	130
Hexachloroethane	mg/kg	0.19 J	0.02 U	0.04	0.02 U	0.03 U	0.02	0.2 U	7
									0.1

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-44	CM-45	CM-45	CM-46	CM-46	CM-47	CM-47	CM-47	CM-48
<i>Sample ID:</i>	S-032312-AK-065	S-032312-AK-068	S-032312-AK-067	S-032312-AK-070	S-032312-AK-069	S-032612-AK-072	S-032612-AK-073	S-032612-AK-071	S-032612-AK-075
<i>Sample Date:</i>	3/23/2012	3/23/2012	3/23/2012	3/23/2012	3/23/2012	3/26/2012	3/26/2012	3/26/2012	3/26/2012
<i>Sample Depth:</i>	(29-31) ft BGS	(10-12) ft BGS	(30-32) ft BGS	(17-19) ft BGS	(30-32) ft BGS	(5-9) ft BGS	(5-9) ft BGS	(30-32) ft BGS	(5-7) ft BGS
									(Duplicate)
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.03	0.02 U	0.03 U	0.02 U				
Pentachlorophenol	mg/kg	4.0	0.02 U	0.1	0.02 U	0.03 U	0.02 U	0.23	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	740	300	1300	780	1600	640	750	1300
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-
Total solids	%wt	91.7	85.5	84.2	89.7	71.8	88.4	86.5	71.7
									81.8

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	<i>CM-48</i>	<i>CM-49</i>	<i>CM-49</i>	<i>CM-50</i>	<i>CM-50</i>	<i>CM-51</i>	<i>CM-51</i>	<i>CM-52</i>	<i>CM-52</i>
<i>Sample ID:</i>	S-032612-AK-074 S-032712-AK-077 S-032712-AK-076 S-032712-AK-079 S-032712-AK-078 S-032712-AK-081 S-032712-AK-080 S-032712-AK-083 S-032712-AK-082								
<i>Sample Date:</i>	3/26/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012
<i>Sample Depth:</i>	(30-32) ft BGS	(25-27) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(12-14) ft BGS	(32.5-34.5) ft BGS	(5-7) ft BGS	(31.5-33.5) ft BGS
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	30 U	30 U	30 U	60	50	20 U	2000 U	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	30 U	30	30 U	20 U	2000 U	20 U
1,2-Dichloropropane	µg/kg	30 U	30 U	30 U	20 U	30 U	20 U	2000 U	20 U
Benzene	µg/kg	30 U	30 U	30 U	20 U	30 U	20 U	2000 U	20 U
Carbon tetrachloride	µg/kg	540	30	170	1070	872	340	26000	1960
Chloroform (Trichloromethane)	µg/kg	600	140	160	1790	948	480	2000 U	746
Chloromethane (Methyl chloride)	µg/kg	30 U	30 U	30 U	20 U	30 U	20 U	2000 U	30 U
Methylene chloride	µg/kg	30 U	30 U	30 U	20 U	30 U	20 U	2000 U	20 U
Tetrachloroethene	µg/kg	220	87	180	1090	490	460	118000	1670
Trichloroethene	µg/kg	30 U	30 U	30 U	50	30 U	20 U	2000 U	65
Vinyl chloride	µg/kg	30 U	30 U	30 U	20 U	30 U	20 U	2000 U	30 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.5 U	2.1 U	2.3 U	2.4 U	2.6 U	2.4 U	2.2 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.5 U	2.1 U	2.3 U	2.4 U	2.6 U	2.4 U	2.2 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.1 U	1.1 U	1.2 U	1.3 U	1.2 U	1.1 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.5 U	2.1 U	2.3 U	2.4 U	2.6 U	2.4 U	2.2 U	2.4 U
alpha-BHC	mg/kg	200 U	0.02 U	50 U	0.02 U	0.5 U	0.09 U	0.1 U	0.02 U
beta-BHC	mg/kg	200 U	0.02 U	50 U	0.02 U	0.5 U	0.09 U	0.1 U	0.02 U
delta-BHC	mg/kg	200 U	0.02 U	50 U	0.02 U	0.5 U	0.09 U	0.1 U	0.02 U
gamma-BHC (lindane)	mg/kg	200 U	0.02 U	50 U	0.02 U	0.5 U	0.09 U	0.1 U	0.02 U
Hexachlorobenzene	mg/kg	200 U	0.42 J	50 U	0.12 J	0.5 U	1.1 J	0.1 J	0.02 U
Hexachlorobutadiene	mg/kg	4600	0.25	760	0.06	6.3	0.10	0.62	0.03
Hexachloroethane	mg/kg	400	0.02 U	50	0.04	0.5 U	0.09 U	0.1 U	0.02 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	<i>CM-48</i>	<i>CM-49</i>	<i>CM-49</i>	<i>CM-50</i>	<i>CM-50</i>	<i>CM-51</i>	<i>CM-51</i>	<i>CM-52</i>	<i>CM-52</i>
<i>Sample ID:</i>	S-032612-AK-074 S-032712-AK-077 S-032712-AK-076 S-032712-AK-079 S-032712-AK-078 S-032712-AK-081 S-032712-AK-080 S-032712-AK-083 S-032712-AK-082								
<i>Sample Date:</i>	3/26/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012	3/27/2012
<i>Sample Depth:</i>	(30-32) ft BGS	(25-27) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(12-14) ft BGS	(32.5-34.5) ft BGS	(5-7) ft BGS	(31.5-33.5) ft BGS
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	1.9	0.02 U	0.1	0.02 U	0.05	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	336	164	313	419	203	406	1000	525
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-
Total solids	%wt	81.0	93.3	87.6	83.2	75.6	82.2	90.2	83.5
									89.3

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-53	CM-53	CM-54	CM-54	CM-55	CM-55	CM-56	CM-56	CM-57
<i>Sample ID:</i>	S-032812-AK-086 S-032812-AK-085 S-032812-AK-088 S-032812-AK-087 S-032812-AK-090 S-032812-AK-089 S-032812-AK-092 S-032812-AK-091 S-032812-AK-093								
<i>Sample Date:</i>	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012
<i>Sample Depth:</i>	(5-10) ft BGS	(32.5-35) ft BGS	(5-7) ft BGS	(31-33) ft BGS	(5-7) ft BGS	(32.5-34) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	40 U	20 U	30 U	20 U	900 U	20 U	30 U	20 U
1,2-Dichloroethane	µg/kg	40 U	20 U	30 U	85	900 U	220	30 U	490
1,2-Dichloropropane	µg/kg	40 U	20 U	30 U	20 U	900 U	20 U	30 U	20 U
Benzene	µg/kg	40 U	20 U	30 U	20 U	900 U	20 U	30 U	20 U
Carbon tetrachloride	µg/kg	3710	20 U	827	430	4150	38700	617	510
Chloroform (Trichloromethane)	µg/kg	2770	787	1710	300	1870	1000	673	2310
Chloromethane (Methyl chloride)	µg/kg	40 U	20 U	30 U	20 U	900 U	20 U	30 U	20 U
Methylene chloride	µg/kg	40 U	20 U	30 U	50 U	900 U	40 U	30 U	150 U
Tetrachloroethene	µg/kg	4410	652	2400	230	3080	56100	2920	671
Trichloroethene	µg/kg	100	30	150	30 U	170	900 U	110	30 U
Vinyl chloride	µg/kg	40 U	20 U	30 U	20 U	900 U	20 U	30 U	20 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.4 U	2.3 U	2.5 U	2.3 U	2.4 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.4 U	2.3 U	2.5 U	2.3 U	2.4 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.1 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.3 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
3/4-Chlorophenol	mg/kg	2.3 U	2.3 U	2.4 U	2.3 U	2.5 U	2.3 U	2.4 U	2.5 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	100 U	0.02 U	0.03 U
beta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	100 U	0.02 U	0.03 U
delta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	100 U	0.02 U	0.03 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.03 U	100 U	0.02 U	0.03 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.36 J	100 U	0.29 J	0.14 J
Hexachlorobutadiene	mg/kg	0.25	0.07	0.54	0.02 U	0.36	2200	0.03	0.03 U
Hexachloroethane	mg/kg	0.04	0.02 U	0.06	0.02 U	0.06	200	0.02 U	0.03 U
									0.07

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-53	CM-53	CM-54	CM-54	CM-55	CM-55	CM-56	CM-56	CM-57
<i>Sample ID:</i>	S-032812-AK-086 S-032812-AK-085 S-032812-AK-088 S-032812-AK-087 S-032812-AK-090 S-032812-AK-089 S-032812-AK-092 S-032812-AK-091 S-032812-AK-093								
<i>Sample Date:</i>	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012	3/28/2012
<i>Sample Depth:</i>	(5-10) ft BGS	(32.5-35) ft BGS	(5-7) ft BGS	(31-33) ft BGS	(5-7) ft BGS	(32.5-34) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.03 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.02 U	0.03 U	0.27	0.02 U	0.03 U	0.05
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	2340	530	1300	511	1460	880	1250	164
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	2700 J	-
Total solids	%wt	85.4	88.7	82.8	86.6	78.5	87.4	84.5	79.9
									83.9

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-57	CM-58	CM-58	CM-59	CM-59	CM-60	CM-60	CM-61	CM-61
<i>Sample ID:</i>	S-032812-AK-094 S-032912-AK-096 S-032912-AK-095 S-032912-AK-098 S-032912-AK-097 S-032912-AK-100 S-032912-AK-099 S-032912-AK-102 S-032912-AK-101								
<i>Sample Date:</i>	3/28/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012
<i>Sample Depth:</i>	(30-33) ft BGS	(5-7) ft BGS	(31-33) ft BGS	(5-7) ft BGS	(31-33) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS
<i>Parameters</i>	<i>Units</i>								
<i>Volatile Organic Compounds</i>									
1,1,1-Trichloroethane	µg/kg	5000 U	20 U	30 U	20 U	30 U	20 U	20 U	20 U
1,2-Dichloroethane	µg/kg	5000 U	20 U	30 U	20 U	30 U	30	20 U	20 U
1,2-Dichloropropane	µg/kg	5000 U	20 U	30 U	20 U	30 U	20 U	20 U	20 U
Benzene	µg/kg	5000 U	20 U	30 U	20 U	30 U	20 U	20 U	20 U
Carbon tetrachloride	µg/kg	21000	1050	30 U	370	140	260	91	140
Chloroform (Trichloromethane)	µg/kg	5000 U	550	480	550	50	150	30	50
Chloromethane (Methyl chloride)	µg/kg	5000 U	20 U	30 U	20 U	30 U	20 U	20 U	20 U
Methylene chloride	µg/kg	5000 U	20 U	30 U	20 U	30 U	20 U	20 U	20 U
Tetrachloroethene	µg/kg	378000	1060	1530	360	68	180	170	580
Trichloroethene	µg/kg	5000 U	40	40	20 U	30 U	20 U	20 U	20 U
Vinyl chloride	µg/kg	5000 U	20 U	30 U	20 U	30 U	20 U	20 U	20 U
<i>Semi-volatile Organic Compounds</i>									
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.2 U	2.4 U	2.5 U	2.4 U	2.2 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.2 U	2.4 U	2.5 U	2.4 U	2.2 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
3/4-Chlorophenol	mg/kg	2.3 U	2.3 U	2.2 U	2.4 U	2.5 U	2.4 U	2.2 U	2.4 U
alpha-BHC	mg/kg	50 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
beta-BHC	mg/kg	50 U	0.02 U	0.03	0.02 U	0.02 U	0.22	0.02 U	0.02 U
delta-BHC	mg/kg	50 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-BHC (lindane)	mg/kg	50 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	50 U	0.02	12	0.24	0.22	0.03	0.67	0.02 U
Hexachlorobutadiene	mg/kg	1000	0.14	0.04	0.08	0.02 U	0.06	0.02 U	0.02 U
Hexachloroethane	mg/kg	200	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-57	CM-58	CM-58	CM-59	CM-59	CM-60	CM-60	CM-61	CM-61
<i>Sample ID:</i>	S-032812-AK-094 S-032912-AK-096 S-032912-AK-095 S-032912-AK-098 S-032912-AK-097 S-032912-AK-100 S-032912-AK-099 S-032912-AK-102 S-032912-AK-101								
<i>Sample Date:</i>	3/28/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012	3/29/2012
<i>Sample Depth:</i>	(30-33) ft BGS	(5-7) ft BGS	(31-33) ft BGS	(5-7) ft BGS	(31-33) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U						
Pentachlorophenol	mg/kg	0.59	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	359	1000	312	810	344	4660	15	1200
Total organic carbon (TOC)	mg/kg	-	-	-	-	1000 UJ	-	-	-
Total solids	%wt	85.2	85.3	89.3	84.1	80.6	85	89.5	83.5
									96.2

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-62	CM-62	CM-63	CM-63	CM-63	CM-64	CM-64	CM-65	CM-65
<i>Sample ID:</i>	S-032912-AK-103 S-032912-AK-104 S-033012-AK-108 S-033012-AK-106 S-033012-AK-107 S-033012-AK-110 S-033012-AK-109 S-040312-AK-123 S-040312-AK-122								
<i>Sample Date:</i>	3/29/2012	3/29/2012	3/30/2012	3/30/2012	3/30/2012	3/30/2012	3/30/2012	4/3/2012	4/3/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(31.5-33.5) ft BGS	(31.5-33.5) ft BGS	(10-15) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-33) ft BGS
									(Duplicate)
<i>Parameters</i>	<i>Units</i>								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000	20 U
1,2-Dichloroethane	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
1,2-Dichloropropane	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
Benzene	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
Carbon tetrachloride	µg/kg	30 U	30 U	470	7300	8400	48000	661000	50
Chloroform (Trichloromethane)	µg/kg	30 U	30 U	1370	500 U	500 U	6400	25000	130
Chloromethane (Methyl chloride)	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
Methylene chloride	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
Tetrachloroethene	µg/kg	96	30 U	180	33300	33900	185000	996000	190
Trichloroethene	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
Vinyl chloride	µg/kg	30 U	30 U	20 U	500 U	500 U	3000 U	10000 U	20 U
									500 U
Semi-volatile Organic Compounds									
2,3,4,5-Tetrachlorophenol	mg/kg	2.4 U	2.4 U	2.4 U	2.6 U	2.3 U	2.4 U	2.5 U	2.8 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.4 U	2.4 U	2.4 U	2.6 U	2.3 U	2.4 U	2.5 U	2.8 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.7 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.7 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.7 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U	1.2 U	1.2 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.7 U
2-Chlorophenol	mg/kg	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.7 U
3/4-Chlorophenol	mg/kg	2.4 U	2.4 U	2.4 U	2.6 U	2.3 U	2.4 U	2.5 U	2.8 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.02 U	10 U	0.09 U	0.02 U	10 U	0.02 U
beta-BHC	mg/kg	0.07	0.02 U	0.02 U	10 U	0.09 U	0.02 U	10 U	0.05
delta-BHC	mg/kg	0.02 U	0.02 U	0.02 U	10 U	0.09 U	0.02 U	10 U	0.02 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.02 U	10 U	0.09 U	0.02 U	10 U	0.02 U
Hexachlorobenzene	mg/kg	0.08	0.32	0.31	10 U	1.7	0.37	40	0.03
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	0.24	660 J	0.68 J	23	1300	0.14
Hexachloroethane	mg/kg	0.02 U	0.02 U	0.02 U	40 J	0.09 UJ	2	60	0.02 U
									69

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-62	CM-62	CM-63	CM-63	CM-63	CM-64	CM-64	CM-65	CM-65
<i>Sample ID:</i>	S-032912-AK-103 S-032912-AK-104 S-033012-AK-108 S-033012-AK-106 S-033012-AK-107 S-033012-AK-110 S-033012-AK-109 S-040312-AK-123 S-040312-AK-122								
<i>Sample Date:</i>	3/29/2012	3/29/2012	3/30/2012	3/30/2012	3/30/2012	3/30/2012	3/30/2012	4/3/2012	4/3/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(31.5-33.5) ft BGS	(31.5-33.5) ft BGS	(10-15) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-33) ft BGS
							(Duplicate)		
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.29	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.03 U
Pentachlorophenol	mg/kg	0.07	0.02 U	0.02 U	0.03	0.02 U	0.02 U	0.08	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	-	-	-	-
Kerosene	mg/kg	-	-	-	-	-	-	-	-
Motor oil	mg/kg	-	-	-	-	-	-	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	-	-	-	-
General Chemistry									
Chloride	mg/kg	2250	19	1730	990	510	590	390	65
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-	-	-
Total solids	%wt	84.1	83.8	82.2	76.6	87.5	83.4	81.6	81.5
									72.4

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	CM-66	CM-66	CM-66	CM-67	CM-67	IA-100	IA-100	IA-101	IA-101
<i>Sample ID:</i>	S-040312-AK-126 S-040312-AK-124 S-040312-AK-125 S-040312-AK-128 S-040312-AK-127 S-040212-AK-117 S-040212-AK-116 S-040212-AK-119 S-040312-AK-118								
<i>Sample Date:</i>	4/3/2012	4/3/2012	4/3/2012	4/3/2012	4/3/2012	4/2/2012	4/2/2012	4/3/2012	4/3/2012
<i>Sample Depth:</i>	(10-12) ft BGS	(30-34) ft BGS	(30-34) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(31.5-33.5) ft BGS	(5-7) ft BGS	(30-32) ft BGS
<i>Parameters</i>	<i>Units</i>								
<i>Volatile Organic Compounds</i>									
1,1,1-Trichloroethane	µg/kg	50	30 U	20 U	30 U	20 U	30 U	20 U	20 U
1,2-Dichloroethane	µg/kg	20 U	30 U	20 U	30 U	20 U	30 U	20 U	20 U
1,2-Dichloropropane	µg/kg	20 U	30 U	20 U	30 U	20 U	30 U	20 U	20 U
Benzene	µg/kg	20 U	30 U	20 U	30 U	20 U	30 U	20 U	20 U
Carbon tetrachloride	µg/kg	858	240	50	100	40	20 U	20 U	20 U
Chloroform (Trichloromethane)	µg/kg	1720	550	280	190	74	20 U	30 U	20 U
Chloromethane (Methyl chloride)	µg/kg	20 U	30 U	20 U	30 U	20 U	30 U	20 U	20 U
Methylene chloride	µg/kg	20 U	30 U	20 U	30 U	20 U	30 U	20 U	20 U
Tetrachloroethene	µg/kg	991	320	110	300	50	678	430	600
Trichloroethene	µg/kg	60	30 U	20 U	20 U	30 U	20 U	20 U	20 U
Vinyl chloride	µg/kg	20 U	30 U	20 U	20 U	30 U	20 U	20 U	20 U
<i>Semi-volatile Organic Compounds</i>									
2,3,4,5-Tetrachlorophenol	mg/kg	2.4 U	2.7 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.2 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.4 U	2.7 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.2 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2,5-Dichlorophenol	mg/kg	1.2 U	1.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
2-Chlorophenol	mg/kg	0.6 U	0.7 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.5 U
3/4-Chlorophenol	mg/kg	2.4 U	2.7 U	2.3 U	2.4 U	2.4 U	2.4 U	2.4 U	2.2 U
alpha-BHC	mg/kg	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
beta-BHC	mg/kg	0.02 U	0.03 U	0.02 U	0.06	0.02 U	0.02 U	0.02 U	0.02 U
delta-BHC	mg/kg	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.03 U	0.04	0.03	0.02 U	0.03	0.19	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.50	0.1	0.03	0.24	0.02 U	0.05	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.06	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	<i>CM-66</i>	<i>CM-66</i>	<i>CM-66</i>	<i>CM-67</i>	<i>CM-67</i>	<i>IA-100</i>	<i>IA-100</i>	<i>IA-101</i>	<i>IA-101</i>
<i>Sample ID:</i>	S-040312-AK-126 S-040312-AK-124 S-040312-AK-125 S-040312-AK-128 S-040312-AK-127 S-040212-AK-117 S-040212-AK-116 S-040212-AK-119 S-040312-AK-118								
<i>Sample Date:</i>	4/3/2012	4/3/2012	4/3/2012	4/3/2012	4/3/2012	4/2/2012	4/2/2012	4/3/2012	4/3/2012
<i>Sample Depth:</i>	(10-12) ft BGS	(30-34) ft BGS	(30-34) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(31.5-33.5) ft BGS	(5-7) ft BGS	(30-32) ft BGS
	<i>(Duplicate)</i>								
<i>Parameters</i>	<i>Units</i>								
Herbicides									
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.03	0.06	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Petroleum Products									
Diesel fuel	mg/kg	-	-	-	-	6.0 U	5.9 U	6.0 U	5.5 U
Kerosene	mg/kg	-	-	-	-	6.0 U	5.9 U	6.0 U	5.5 U
Motor oil	mg/kg	-	-	-	-	6.0 U	5.9 U	6.0 U	5.5 U
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	-	-	-	-	13 U	120 U	120 U	110 U
General Chemistry									
Chloride	mg/kg	650	282	54	19	67	177	249	610.
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	2200	-	-
Total solids	%wt	85.0	73.2	85.3	82.7	82.7	84.0	84.7	83.1
									91.4

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

<i>Sample Location:</i>	<i>IA-102</i>	<i>IA-102</i>	<i>PA-52</i>	<i>PA-53</i>	<i>PA-54</i>
<i>Sample ID:</i>	S-040312-AK-121	S-040312-AK-120	S-030912-AK-018	S-030912-AK-017	S-030912-AK-019
<i>Sample Date:</i>	4/3/2012	4/3/2012	3/9/2012	3/9/2012	3/9/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(30-32) ft BGS	(1-3) ft BGS	(3-5) ft BGS	(1-3) ft BGS

<i>Parameters</i>	<i>Units</i>				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/kg	20 U	30 U	30 U	100 U
1,2-Dichloroethane	µg/kg	20 U	30 U	30 U	100 U
1,2-Dichloropropane	µg/kg	20 U	30 U	30 U	100 U
Benzene	µg/kg	20 U	30 U	50	100 U
Carbon tetrachloride	µg/kg	20 U	30 U	30 U	8820
Chloroform (Trichloromethane)	µg/kg	20 U	30 U	30 U	4960
Chloromethane (Methyl chloride)	µg/kg	20 U	30 U	30 U	100 U
Methylene chloride	µg/kg	20 U	30 U	30 U	910
Tetrachloroethene	µg/kg	20 U	30 U	931	10100
Trichloroethene	µg/kg	20 U	30 U	30 U	100 U
Vinyl chloride	µg/kg	20 U	30 U	30 U	100 U
Semi-volatile Organic Compounds					
2,3,4,5-Tetrachlorophenol	mg/kg	2.5 U	2.1 U	2.6 U	49 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.5 U	2.1 U	2.6 U	120
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.5 U	0.7 U	10 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.5 U	1.6	458
2,4-Dichlorophenol	mg/kg	0.6 U	0.5 U	9.1	296
2,5-Dichlorophenol	mg/kg	1.2 U	1.1 U	1.3 U	24 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.5 U	0.7 U	46
2-Chlorophenol	mg/kg	0.6 U	0.5 U	0.7 U	42
3/4-Chlorophenol	mg/kg	2.5 U	2.1 U	2.6 U	64
alpha-BHC	mg/kg	0.02 U	0.02 U	40	0.5
beta-BHC	mg/kg	0.04	0.02 U	30	1 U
delta-BHC	mg/kg	0.02 U	0.02 U	10 U	1 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	10 U	1 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	10 U	1 U
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	10 U	1 U
Hexachloroethane	mg/kg	0.02 U	0.02 U	10 U	2 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
SOIL SAMPLING EVENT
GLENN SPRINGS HOLDINGS, INC.
WICHITA, KANSAS
MARCH APRIL 2012**

Sample Location:	IA-102	IA-102	PA-52	PA-53	PA-54
Sample ID:	S-040312-AK-121 S-040312-AK-120 S-030912-AK-018 S-030912-AK-017 S-030912-AK-019				
Sample Date:	4/3/2012	4/3/2012	3/9/2012	3/9/2012	3/9/2012
Sample Depth:	(5-7) ft BGS	(30-32) ft BGS	(1-3) ft BGS	(3-5) ft BGS	(1-3) ft BGS

Parameters	Units				
Herbicides					
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.08	6
Pentachlorophenol	mg/kg	0.02 U	0.02 U	30	180
Petroleum Products					
Diesel fuel	mg/kg	6.1 U	5.3 U	-	-
Kerosene	mg/kg	6.1 U	5.3 U	-	-
Motor oil	mg/kg	6.1 U	5.3 U	-	-
Total Petroleum Hydrocarbons - Purgeable (GRO)	µg/kg	120 U	110 U	-	-
General Chemistry					
Chloride	mg/kg	38	18	81	1230
Total organic carbon (TOC)	mg/kg	-	-	-	-
Total solids	%wt	81.4	94.3	76.8	82.0
					80.9

Notes:

J - Estimated concentration.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING SURROGATE RECOVERIES
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012

<i>Parameter</i>	<i>Surrogate</i>	<i>Surrogate Recovery (percent)</i>	<i>Control Limits (percent)</i>	<i>Sample ID</i>	<i>Analytes</i>	<i>Qualified Sample Results</i>	<i>Units</i>
Pesticides	1,4-Dichloronaphthalene	123	56.3-115	S-033012-AK-113	alpha-BHC beta-BHC gamma-BHC (lindane) Hexachlorobenzene Hexachloroethane Hexachlorobutadiene	0.76 J 0.2 J 0.2 J 5.0 J 2.3 J 2.9 J	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Pesticides	1,4-Dichloronaphthalene	372	56.3-115	S-032212-AK-058	Hexachlorobenzene Hexachloroethane Hexachlorobutadiene	0.08 J 1.2 J 0.54 J	mg/kg mg/kg mg/kg
	1,4-Dichloronaphthalene	132	56.3-115	S-032312-AK-065	Hexachlorobutadiene alpha-BHC Hexachloroethane	0.52 J 0.09 J 0.19 J	mg/kg mg/kg mg/kg
Pesticides	1,4-Dichloronaphthalene	1620	56.3-115	S-031612-AK-043	Hexachlorobenzene alpha-BHC	3.3 J 5.7 J	mg/kg mg/kg

Notes:

J - Estimated concentration.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
VOCs	04/05/12	Methylene Chloride	20	S-032812-AK-090	50 U	µg/kg
				S-032812-AK-092	40 U	µg/kg
				S-032812-AK-093	150 U	µg/kg
VOCs	03/21/12	Methylene Chloride	40	S-031912-AK-045	30 U	µg/kg
				S-031912-AK-046	40 U	µg/kg
				S-032012-AK-047	50 U	µg/kg
				S-032012-AK-048	30 U	µg/kg
				S-032012-AK-049	60 U	µg/kg
				S-032012-AK-050	40 U	µg/kg

Notes:

U - Not present at or above the associated value.

VOCs - Volatile organic compounds.

TABLE 6

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RECOVERIES
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012**

<i>Parameter</i>	<i>Compound</i>	<i>Percent Recovery</i>	<i>Control Limits (percent)</i>	<i>Associated Sample ID</i>	<i>Qualified Sample Results</i>	<i>Units</i>
Pesticides	Hexachlorobenzene	132	80.2-126	S-032812-AK-090 S-032812-AK-091 S-032812-AK-092 S-032712-AK-080 S-032712-AK-081 S-032612-AK-075 S-032712-AK-077 S-032712-AK-079	0.36 J 0.14 J 0.29 J 0.1 J 1.1 J 0.06 J 0.42 J 0.12 J	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg

Notes:

J - Estimated concentration.

TABLE 7

**QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012**

<i>Parameter</i>	<i>Associated Sample ID</i>	<i>Analyte</i>	<i>MS Recovery</i>	<i>MSD Recovery</i>	<i>RPD</i>	<i>Control Limits</i>		<i>Qualified Sample Result</i>	<i>Units</i>
			(percent)	(percent)		<i>Recovery</i> (percent)	<i>RPD</i> (percent)		
VOCs	S-032212-AK-058	Chloroform	373	49.2	153	57.6-142	14.4	734 J	µg/kg
VOCs	S-032112-AK-055	Hexachlorobutadiene	129	90.0	35.6	58.9-143	14.7	0.08 J	µg/kg
VOCs	S-031412-AK-033	Carbon tetrachloride Chloroform (Trichloromethane)	209 158	NA NA	NA	64.1-135 57.6-142	NA NA	913 J 830 J	µg/kg µg/kg

Notes:

J - Estimated concentration.

MS - Matrix spike.

MSD - Matrix spike duplicate.

RPD - Relative percent difference.

VOCs - Volatile organic compounds.

NA - Not available.

TABLE 8
QUALIFIED SAMPLE RESULTS DUE TO VARIABILITY IN FIELD DUPLICATE RESULTS
SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
MARCH AND APRIL 2012

<i>Parameter</i>	<i>Analyte</i>	<i>Original Sample ID</i>	<i>Qualified Sample Result</i>	<i>Duplicate Sample ID</i>	<i>Qualified Sample Result</i>	<i>RPD</i>	<i>Units</i>
Pesticides	Hexachlorobutadiene	S-033012-AK-106	660 J	S-033012-AK-107	0.68 J	200	mg/kg
	Hexachloroethane	S-033012-AK-106	40 J	S-033012-AK-107	0.09 UJ	200	mg/kg
	Hexachlorobenzene	S-032612-AK-072	0.05 J	S-032612-AK-073	4.9 J	196	mg/kg
	Hexachlorobutadiene	S-032612-AK-072	0.04 J	S-032612-AK-073	0.3 J	153	mg/kg
	beta-BHC	S-032012-AK-051	0.1 J	S-032012-AK-052	0.03 J	136	mg/kg
	Hexachloroethane	S-031312-AK-027	320 J	S-031312-AK-028	97 J	106	mg/kg
VOCs	Carbon tetrachloride	S-030912-AK-013	800 J	S-030912-AK-013	280 J	104	µg/kg
VOCs	Carbon tetrachloride	S-030712-AK-005	8.6 J	S-030712-AK-006	1550 J	198	µg/kg
	Chloroform (Trichloromethane)	S-030712-AK-005	5.2 UJ	S-030712-AK-006	430 J	195	µg/kg
	Tetrachloroethene	S-030712-AK-005	5.2 UJ	S-030712-AK-006	110 J	182	µg/kg

Notes:

J - Estimated concentration.

UJ - Estimated reporting limit.

VOCs - Volatile organic compounds.

- Not analyzed.



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ANALYTICAL DATA ASSESSMENT AND VALIDATION
ARKEMA SOIL SAMPLING
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012

**PREPARED BY:
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1.0 INTRODUCTION

The following document details an assessment and validation of analytical results reported by Continental Analytical Services for soil samples collected at the Occidental Chemical Corporation (OCC) Site in Wichita, Kansas (Site). The samples were collected in April 2012.

A sampling and analysis summary is presented in Table 1. A summary of the analytical methods is presented in Table 2. A summary of the analytical data is presented in Table 3. The quality assurance/quality control (QA/QC) criteria by which these data have been assessed are outlined in the analytical methods and the documents entitled:

- i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99/008, October 1999
- ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Review", USEPA 540/R-94/013, February 1994
- iii) "Quality Assurance Project Plan, Facility-related Investigative Activities, RCRA Corrective Action Program", Occidental Chemical Corporation, Wichita, Kansas, EPA ID No. KSD007482029, June 2009

Standard laboratory data packages were received from the laboratory. The data quality assessment and validation presented in the following subsections were performed based on the sample results and supporting QA/QC results provided. Data assessment was based on information obtained from final data sheets, method blank data, surrogate recoveries, laboratory control sample/matrix spike recoveries, and field QA/QC samples.

2.0 SAMPLE HOLDING TIMES

The holding time periods are presented in the analytical methods. All samples were prepared and analyzed within the method required holding times. All samples were properly cooled after collection and upon receipt at the laboratory.

3.0 SURROGATE SPIKE RECOVERIES - ORGANICS

In accordance with the methods employed, all samples, blanks, and standards analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chlorinated hydrocarbons, and herbicides were spiked with surrogate compounds prior

to sample extraction and/or analysis. Surrogate recoveries provide a means to evaluate the effects of individual sample matrices on analytical efficiency and are assessed against laboratory control limits.

All surrogate recoveries were acceptable, indicating good analytical performance with the exception of some high VOC and low pesticide recoveries. The associated sample results were qualified as estimated (see Table 4).

4.0 METHOD BLANK ANALYSES

The purpose of assessing the results of method blank analyses is to determine the existence and magnitude of sample contamination introduced during analysis. Method blanks are prepared from an analyte-free matrix and analyzed as samples.

For this study, method blanks were analyzed at a minimum frequency of one per analytical batch, and the data were non-detect with the exception of methylene chloride. Associated sample results with concentrations similar to those found in the method blanks were qualified non-detect (see Table 5).

5.0 LABORATORY CONTROL SAMPLE (LCS) ANALYSES

LCS samples are prepared and analyzed to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. LCS samples were analyzed for all applicable parameters. The results were acceptable for all analytes of interest with the exception of a low chlorotrifluoromethane recovery. Associated sample results were qualified as estimated (see Table 6).

6.0 MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

To evaluate the effects of sample matrices on the preparation, measurement procedures, and accuracy of all of the parameters, samples are spiked with a known concentration of the analyte of concern and analyzed as MS samples. The laboratory prepared the spike samples in duplicate to assess analytical precision. For organic analyses, the laboratory established the MS/MSD control limits internally. For those organic compounds not routinely analyzed by the laboratory and that do not have control limits in place, sample results were only qualified if recoveries were less than 10 percent. For the inorganic analyses, the control limits used are 75 to 125 percent. Per the "Guidelines," qualification

of data is not required if the sample results exceed four times the spike concentration added.

MS/MSD analyses were performed as indicated in Table 1. Most MS/MSD analyses performed were acceptable, demonstrating good analytical accuracy and precision. Some outlying MS/MSD analyses were reported, and the associated sample results were qualified as estimated (see Table 7). Chlorotrifluoromethane showed no recovery and the sample result was rejected (see Table 7).

7.0 FIELD QA/QC

7.1 RINSE BLANK ANALYSIS

Three rinse blanks were submitted for analysis, as identified in Table 1. All rinse blank results were non-detect.

7.2 FIELD DUPLICATE ANALYSIS

To assess the analytical and sampling precision, one field duplicate sample was collected and submitted "blind" to the laboratory, as indicated in Table 1. All results were comparable, demonstrating good field and laboratory precision.

8.0 CONCLUSION

Based on the assessment detailed in the foregoing, the data produced by Continental Analytical Services are acceptable with the specific exception and qualifications noted herein.

TABLES

TABLE 1

**SAMPLE COLLECTION AND ANALYSIS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Sample Interval</i> (ft. bgs.)	<i>Collection Date</i> (mm/dd/yy)	<i>Collection Time</i> (hr:min)	<i>Analysis/Parameters</i>										<i>Comments</i>
					<i>Volatile Organic Compounds (VOCs)</i>				<i>Chlorinated Hydrocarbons (SVOCs)</i>				<i>Total Organic Carbon</i>		
					<i>Refrigerants</i>	<i>Herbicides</i>	<i>Pesticides</i>					<i>PAHs</i>	<i>Metals</i>	<i>Chloride</i>	
S-040412-AK-129	AR-1	30.0-32.0	04/04/12	10:10	x	x	x	x	x	x	x	x	x	x	
S-040412-AK-130	AR-1	5.0-7.0	04/04/12	10:30	x	x	x	x	x	x	x	x	x	x	
S-040412-AK-131	AR-2	30.0-32.0	04/04/12	11:30	x	x	x	x	x	x	x	x	x	x	
S-040412-AK-132	AR-2	5.0-7.0	04/04/12	11:45	x	x	x	x	x	x	x	x	x	x	
S-040412-AK-133	AR-3	29.5-31.5	04/04/12	14:25	x	x	x	x	x	x	x	x	x	x	
S-040412-AK-134	AR-3	5.0-9.0	04/04/12	14:50	x	x	x	x	x	x	x	x	x	x	MS/MSD
S-040412-AK-135	AR-4	30.5-32.5	04/04/12	15:50	x	x	x	x	x	x	x	x	x	x	
S-040412-AK-136	AR-4	5.0-7.0	04/04/12	16:05	x	x	x	x	x	x	x	x	x	x	
WG-040412-AK-137	NA	NA	04/04/12	16:50	x		x	x	x				x	x	MS/MSD
WG-040512-AK-138	NA	NA	04/05/12	7:30	x		x	x	x				x	x	Rinse Blank
S-040512-AK-139	AR-5	30.0-32.0	04/05/12	8:50	x	x	x	x	x	x	x	x	x	x	Rinse Blank
S-040512-AK-140	AR-5	5.0-7.0	04/05/12	9:05	x	x	x	x	x	x	x	x	x	x	
S-040512-AK-141	AR-6	30.0-32.0	04/05/12	10:05	x	x	x	x	x	x	x	x	x	x	
S-040512-AK-142	AR-6	5.0-7.0	04/05/12	10:20	x	x	x	x	x	x	x	x	x	x	
S-040512-AK-143	AR-7	30.0-32.0	04/05/12	12:30	x	x	x	x	x	x	x	x	x	x	

TABLE 1

**SAMPLE COLLECTION AND ANALYSIS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Sample Interval</i> (ft. bgs.)	<i>Collection Date</i> (mm/dd/yy)	<i>Collection Time</i> (hr:min)	<i>Analysis/Parameters</i>											<i>Comments</i>
					<i>Volatile Organic Compounds (VOCs)</i>				<i>Chlorinated Hydrocarbons (SVOCs)</i>				<i>Total Organic Carbon</i>			
					<i>Refrigerants</i>	<i>Herbicides</i>	<i>Pesticides</i>	<i>PAHs</i>	<i>Metals</i>	<i>Chloride</i>						
S-040512-AK-144	AR-7	5.0-7.0	04/05/12	12:45	x	x	x	x	x	x	x	x				
S-040512-AK-145	AR-7	10-13.5	04/05/12	13:00	x	x	x	x	x	x	x	x				
S-040512-AK-146	AR-7	10-13.5	04/05/12	13:15	x	x	x	x	x	x	x	x				x
S-040512-AK-147	AR-8	34.0-36.0	04/05/12	14:15	x	x	x	x	x	x	x	x				x
S-040512-AK-148	AR-8	12.0-14.0	04/05/12	14:30	x	x	x	x	x	x	x	x				x
S-040512-AK-149	AR-9	29.5-31.5	04/05/12	15:50	x	x	x	x	x	x	x	x				x
S-040512-AK-150	AR-9	5.0-9.0	04/05/12	16:15	x	x	x	x	x	x	x	x				x
S-040612-AK-151	AR-10	29.0-31.0	04/06/12	8:45	x	x	x	x	x	x	x	x				MS/MSD
S-040612-AK-152	AR-10	5.0-7.0	04/06/12	9:00	x	x	x	x	x	x	x	x				x
S-040612-AK-153	AR-11	5.0-7.0	04/06/12	9:40	x	x	x	x	x	x	x	x				x
S-040612-AK-154	AR-11	29.0-31.0	04/06/12	10:30	x	x	x	x	x	x	x	x				x
S-040912-AK-155	AR-12	29.0-31.0	04/09/12	14:25	x	x	x	x	x	x	x	x	x	x	x	
S-040912-AK-156	AR-12	5.0-7.0	04/09/12	14:45	x	x	x	x	x	x	x	x				x
S-040912-AK-157	AR-13	29.0-31.0	04/09/12	15:40	x	x	x	x	x	x	x	x				x
S-040912-AK-158	AR-13	5.0-7.0	04/09/12	15:50	x	x	x	x	x	x	x	x				x
WG-040912-AK-159	NA	NA	04/09/12	17:10	x	x	x	x	x	x	x	x				Rinse Blank
S-041012-AK-160	AR-14	28.5-30.5	04/10/12	8:25	x	x	x	x	x	x	x	x				x

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012

<i>Analysis/Parameters</i>														
<i>Sample I.D.</i>	<i>Location I.D.</i>	<i>Sample Interval</i> <i>(ft. bgs.)</i>	<i>Collection Date</i> <i>(mm/dd/yy)</i>	<i>Collection Time</i> <i>(hr:min)</i>	<i>Volatile Organic Compounds (VOCs)</i>	<i>Refrigerants</i>	<i>Herbicides</i>	<i>Pesticides</i>	<i>Chlorinated Hydrocarbons (S7OCs)</i>	<i>PAHs</i>	<i>Metals</i>	<i>Total Organic Carbon</i>	<i>Chloride</i>	<i>Comments</i>
S-041012-AK-161	AR-14	5.0-7.0	04/10/12	8:40	x x x x x	x			x x x	x			x	
S-041012-AK-162	AR-15	29.0-31.0	04/10/12	9:30	x x x x x	x			x x x	x			x	
S-041012-AK-163	AR-15	5.0-7.0	04/10/12	9:55	x x x x x	x			x x x	x			x	

Notes:

MS Matrix Spike.

MSD Matrix Spike Duplicate.

PAHs Polynuclear Aromatic Hydrocarbons.

TABLE 2

SUMMARY OF ANALYTICAL METHODS
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012

<i>Parameter</i>	<i>Method</i>
Volatile Organic Compounds	SW-846 8260B ⁽¹⁾
Semi-volatile Organic Compounds	SW-846 8270C ⁽¹⁾
Chlorinated Hydrocarbons	SW-846 8121 ⁽¹⁾
Herbicides	SW-846 8151 ⁽¹⁾
Chloride	EPA 300.0 ⁽²⁾
Total Organic Carbon (TOC)	SW-846 9060 ⁽¹⁾
Metals	SW-846 6010 ⁽¹⁾

Notes:

- (1) "Test Methods for Solid Waste/Physical Chemical Methods," SW-846, 3rd Edition, September 1986 (with all subsequent revisions).
- (2) "Methods for Chemical Analysis of Water and Wastes", USEPA 600/4-79-220, March
USEPA United States Environmental Protection Agency.

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-1</i>	<i>AR-1</i>	<i>AR-2</i>	<i>AR-2</i>	<i>AR-3</i>	<i>AR-3</i>	<i>AR-4</i>
<i>Sample ID:</i>	S-040412-AK-130	S-040412-AK-129	S-040412-AK-132	S-040412-AK-131	S-040412-AK-134	S-040412-AK-133	S-040412-AK-136
<i>Sample Date:</i>	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-9) ft BGS	(29.5-31.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Volatile Organic Compounds</i>							
1,1,1-Trichloroethane	µg/kg	63	5000	3.5 U	6.0 U	4.9 U	5.1 U
1,2-Dichloroethane	µg/kg	250	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
1,2-Dichloropropane	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
Benzene	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
Carbon tetrachloride	µg/kg	1530	2000 U	40.0	30 U	56.0	30 U
Chlorodifluoromethane	µg/kg	110	2000 U	9.4	30 U	7.4	30 U
Chloroform (Trichloromethane)	µg/kg	3100	17000	1550	30 U	87.0	67.6
Chloromethane (Methyl chloride)	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
Chlorotrifluoromethane (Freon 13)	µg/kg	200 UJ	20000 UJ	17 UJ	30 UJ	24 U	26 U
Dichlorodifluoromethane (CFC-12)	µg/kg	20 U	2000 U	3.5 U	8.0	4.9 U	5.1 U
Dichlorofluoromethane	µg/kg	210	2000 U	15.8	30 U	6.7	70.8
Ethylbenzene	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
Fluoroform	µg/kg	50 U	5000 U	3.5 U	6.0 U	4.9 U	5.1 U
m&p-Xylenes	µg/kg	49 U	4700 U	3.5 U	6.0 U	4.9 U	5.1 U
Methylene chloride	µg/kg	20 U	2000 U	3.5 U	6.1 U	4.9 U	5.1 U
o-Xylene	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
Tetrachloroethene	µg/kg	1440	975000	32.6	6.0 U	21.4 J	74.7
Toluene	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
Trichloroethene	µg/kg	40	3000	3.5 U	42.1	4.9 U	5.1 U
Trichlorofluoromethane (CFC-11)	µg/kg	50	42000	3.5 U	30 U	4.9 U	30 U
Trifluorotrichloroethane (Freon 113)	µg/kg	20 U	3000	3.5 U	13.3	4.9 U	7.5
Vinyl chloride	µg/kg	20 U	2000 U	3.5 U	6.0 U	4.9 U	5.1 U
<i>Semi-volatile Organic Compounds</i>							
2,3,4,5-Tetrachlorophenol	mg/kg	2.4 U	2.3 U	2.4 U	2.4 U	2.3 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.4 U	2.3 U	2.4 U	2.4 U	2.3 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U				
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U				
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U				

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-1</i>	<i>AR-1</i>	<i>AR-2</i>	<i>AR-2</i>	<i>AR-3</i>	<i>AR-3</i>	<i>AR-4</i>
<i>Sample ID:</i>	S-040412-AK-130	S-040412-AK-129	S-040412-AK-132	S-040412-AK-131	S-040412-AK-134	S-040412-AK-133	S-040412-AK-136
<i>Sample Date:</i>	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-9) ft BGS	(29.5-31.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Semi-volatile Organic Compounds (Cont'd.)</i>							
2,5-Dichlorophenol	mg/kg	1.2 U	1.2 U	1.2 U	1.2 U	1.1 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U				
2-Chlorophenol	mg/kg	0.6 U	0.6 U				
3/4-Chlorophenol	mg/kg	2.4 U	2.3 U	2.4 U	2.4 U	2.3 U	2.4 U
Acenaphthene	mg/kg	0.6 U	0.6 U				
Acenaphthylene	mg/kg	0.6 U	0.6 U				
alpha-BHC	mg/kg	0.02 U	0.02 U				
Anthracene	mg/kg	0.6 U	0.6 U				
Benz(a)anthracene	mg/kg	0.6 U	0.6 U				
Benz(a)pyrene	mg/kg	0.6 U	0.6 U				
Benz(b)fluoranthene/Benz(j)fluoranthene	mg/kg	0.6 U	0.6 U				
Benz(g,h,i)perylene	mg/kg	0.6 U	0.6 U				
Benz(k)fluoranthene	mg/kg	0.6 U	0.6 U				
beta-BHC	mg/kg	0.02 U	0.02 U				
Chrysene	mg/kg	0.6 U	0.6 U				
delta-BHC	mg/kg	0.02 U	0.02 U				
Dibenz(a,h)anthracene	mg/kg	0.6 U	0.6 U				
Fluoranthene	mg/kg	0.6 U	0.6 U				
Fluorene	mg/kg	0.6 U	0.6 U				
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U				
Hexachlorobenzene	mg/kg	0.02 U	1.7	0.02 U	9	0.02 U	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	57	0.02 U	640	0.02 U	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.9	0.02 U	34	0.02 U	0.02 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.6 U	0.6 U				
Naphthalene	mg/kg	0.6 U	0.6 U				
Phenanthrene	mg/kg	0.6 U	0.6 U				
Pyrene	mg/kg	0.6 U	0.6 U				
<i>Metals</i>							
Antimony	mg/kg	6.0 U	5.9 U	5.9 U	1.2 U	6.0 U	1.1 U
Arsenic	mg/kg	4	17	3	4	2.8	1.2

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-1</i>	<i>AR-1</i>	<i>AR-2</i>	<i>AR-2</i>	<i>AR-3</i>	<i>AR-3</i>	<i>AR-4</i>
<i>Sample ID:</i>	S-040412-AK-130	S-040412-AK-129	S-040412-AK-132	S-040412-AK-131	S-040412-AK-134	S-040412-AK-133	S-040412-AK-136
<i>Sample Date:</i>	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-9) ft BGS	(29.5-31.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Herbicides</i>							
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U				
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.02 U	0.07	0.02 U	0.02 U
<i>General Chemistry</i>							
Chloride	mg/kg	395	64	260.	273	670 J	56 J
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-
Total solids	%wt	82.9	85.3	85.0	84.0	82.7	87.1
							82.3

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
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<i>Sample Location:</i>	<i>AR-4</i>	<i>AR-5</i>	<i>AR-5</i>	<i>AR-6</i>	<i>AR-6</i>	<i>AR-7</i>	<i>AR-7</i>
<i>Sample ID:</i>	S-040412-AK-135	S-040512-AK-140	S-040512-AK-139	S-040512-AK-142	S-040512-AK-141	S-040512-AK-144	S-040512-AK-145
<i>Sample Date:</i>	4/4/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012
<i>Sample Depth:</i>	(30.5-32.5) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(10-13.5) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Volatile Organic Compounds</i>							
1,1,1-Trichloroethane	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
1,2-Dichloroethane	µg/kg	4.5 U	52.1	6.4 U	4.6 U	6.3 U	50
1,2-Dichloropropane	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
Benzene	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
Carbon tetrachloride	µg/kg	110	30 U	60	7.6	18.9 J	30 U
Chlorodifluoromethane	µg/kg	82	62.8	140	4.6 U	30 U	30 U
Chloroform (Trichloromethane)	µg/kg	54.3	30 U	71.5	4.9	22.4 J	1020
Chloromethane (Methyl chloride)	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
Chlorotrifluoromethane (Freon 13)	µg/kg	23 U	25 U	32 U	23 U	31 U	300 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.5 U	4.9 U	17.3	4.6 U	8.5 J	30 U
Dichlorofluoromethane	µg/kg	89.8	42.0	40	4.6 U	11 J	30 U
Ethylbenzene	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
Fluoroform	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	50 U
m&p-Xylenes	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	51 U
Methylene chloride	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
o-Xylene	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
Tetrachloroethene	µg/kg	63.8	4.9 U	6.4 U	33.0	101 J	240
Toluene	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
Trichloroethene	µg/kg	4.5 U	17.8	19.2	4.6 U	6.3 U	30 U
Trichlorofluoromethane (CFC-11)	µg/kg	82	10.	300	4.6 U	60 J	30 U
Trifluorotrichloroethane (Freon 113)	µg/kg	8.5	4.9 U	80.4	4.6 U	45.8 J	30 U
Vinyl chloride	µg/kg	4.5 U	4.9 U	6.4 U	4.6 U	6.3 U	30 U
<i>Semi-volatile Organic Compounds</i>							
2,3,4,5-Tetrachlorophenol	mg/kg	2.1 U	2.4 U	2.6 U	2.4 U	2.8 U	2.4 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.1 U	2.4 U	2.6 U	2.4 U	2.8 U	2.4 U
2,4,5-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-4</i>	<i>AR-5</i>	<i>AR-5</i>	<i>AR-6</i>	<i>AR-6</i>	<i>AR-7</i>	<i>AR-7</i>
<i>Sample ID:</i>	S-040412-AK-135	S-040512-AK-140	S-040512-AK-139	S-040512-AK-142	S-040512-AK-141	S-040512-AK-144	S-040512-AK-145
<i>Sample Date:</i>	4/4/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012
<i>Sample Depth:</i>	(30.5-32.5) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(10-13.5) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Semi-volatile Organic Compounds (Cont'd.)</i>							
2,5-Dichlorophenol	mg/kg	1.1 U	1.2 U	1.3 U	1.2 U	1.4 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.7 U	0.6 U	0.6 U
2-Chlorophenol	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
3/4-Chlorophenol	mg/kg	2.1 U	2.4 U	2.6 U	2.4 U	2.8 U	2.4 U
Acenaphthene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Acenaphthylene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Anthracene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Benzo(a)anthracene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Benzo(a)pyrene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Benzo(b)fluoranthene/Benzo(j)fluoranthene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Benzo(g,h,i)perylene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Benzo(k)fluoranthene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
beta-BHC	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Chrysene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
delta-BHC	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Dibenz(a,h)anthracene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Fluoranthene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Fluorene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Naphthalene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Phenanthrene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
Pyrene	mg/kg	0.5 U	0.6 U	0.6 U	0.6 U	0.7 U	0.6 U
<i>Metals</i>							
Antimony	mg/kg	1.1 U	5.9 U	6.4 U	5.9 U	7.1 U	6.0 U
Arsenic	mg/kg	1.4	6.1	13	4.1	24	4

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-4</i>	<i>AR-5</i>	<i>AR-5</i>	<i>AR-6</i>	<i>AR-6</i>	<i>AR-7</i>	<i>AR-7</i>
<i>Sample ID:</i>	S-040412-AK-135	S-040512-AK-140	S-040512-AK-139	S-040512-AK-142	S-040512-AK-141	S-040512-AK-144	S-040512-AK-145
<i>Sample Date:</i>	4/4/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012
<i>Sample Depth:</i>	(30.5-32.5) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(30-32) ft BGS	(5-7) ft BGS	(10-13.5) ft BGS
<i>Parameters</i>		<i>Units</i>					
<i>Herbicides</i>							
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.03 U	0.02 U
<i>General Chemistry</i>							
Chloride	mg/kg	35 J	800 J	41 J	332 J	47 J	267
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-
Total solids	%wt	94.1	84.2	77.7	85.1	70.3	83.9
							86.2

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
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<i>Sample Location:</i>	<i>AR-7</i>	<i>AR-7</i>	<i>AR-8</i>	<i>AR-8</i>	<i>AR-9</i>	<i>AR-9</i>	<i>AR-10</i>
<i>Sample ID:</i>	S-040512-AK-146	S-040512-AK-143	S-040512-AK-148	S-040512-AK-147	S-040512-AK-150	S-040512-AK-149	S-040612-AK-152
<i>Sample Date:</i>	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/6/2012
<i>Sample Depth:</i>	(10-13.5) ft BGS <i>(Duplicate)</i>	(30-32) ft BGS	(12-14) ft BGS	(34-36) ft BGS	(5-9) ft BGS	(29.5-31.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/kg	650	180	50 U	30	20 U	50 U
1,2-Dichloroethane	µg/kg	170	20 U	50 U	20 U	20 U	50 U
1,2-Dichloropropane	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Benzene	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Carbon tetrachloride	µg/kg	2310	560	500 J	1010	20 U	580
Chlorodifluoromethane	µg/kg	50 U	20 U	50 U	40	20 U	50 U
Chloroform (Trichloromethane)	µg/kg	5550	390	6240 J	3370	8470	4500
Chloromethane (Methyl chloride)	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Chlorotrifluoromethane (Freon 13)	µg/kg	500 U	200 U	500 U	200 U	R	500 U
Dichlorodifluoromethane (CFC-12)	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Dichlorofluoromethane	µg/kg	100	20 U	70 J	86	40	90
Ethylbenzene	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Fluoroform	µg/kg	90 U	50 U	100 U	40 U	50 U	90 U
m&p-Xylenes	µg/kg	93 U	50 U	99 U	42 U	47 U	91 U
Methylene chloride	µg/kg	50 U	20 U	60 U	20 U	30 U	50 U
o-Xylene	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Tetrachloroethene	µg/kg	4420	2800	740 J	570	74	400
Toluene	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Trichloroethene	µg/kg	80	20 U	50 U	20 U	20 U	50 U
Trichlorofluoromethane (CFC-11)	µg/kg	50 U	20 U	50 U	60	20 U	50 U
Trifluorotrichloroethane (Freon 113)	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Vinyl chloride	µg/kg	50 U	20 U	50 U	20 U	20 U	50 U
Semi-volatile Organic Compounds							
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U	2.3 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U	2.3 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.6 U				
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.6 U				
2,4-Dichlorophenol	mg/kg	0.6 U	0.6 U				

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-7</i>	<i>AR-7</i>	<i>AR-8</i>	<i>AR-8</i>	<i>AR-9</i>	<i>AR-9</i>	<i>AR-10</i>
<i>Sample ID:</i>	S-040512-AK-146	S-040512-AK-143	S-040512-AK-148	S-040512-AK-147	S-040512-AK-150	S-040512-AK-149	S-040612-AK-152
<i>Sample Date:</i>	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/6/2012
<i>Sample Depth:</i>	(10-13.5) ft BGS <i>(Duplicate)</i>	(30-32) ft BGS	(12-14) ft BGS	(34-36) ft BGS	(5-9) ft BGS	(29.5-31.5) ft BGS	(5-7) ft BGS
<i>Parameters</i>	<i>Units</i>						
<i>Semi-volatile Organic Compounds (Cont'd.)</i>							
2,5-Dichlorophenol	mg/kg	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.6 U				
2-Chlorophenol	mg/kg	0.6 U	0.6 U				
3/4-Chlorophenol	mg/kg	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U	2.3 U
Acenaphthene	mg/kg	0.6 U	0.6 U				
Acenaphthylene	mg/kg	0.6 U	0.6 U				
alpha-BHC	mg/kg	0.02 U	0.02 U				
Anthracene	mg/kg	0.6 U	0.6 U				
Benzo(a)anthracene	mg/kg	0.6 U	0.6 U				
Benzo(a)pyrene	mg/kg	0.6 U	0.6 U				
Benzo(b)fluoranthene/Benzo(j)fluoranthene	mg/kg	0.6 U	0.6 U				
Benzo(g,h,i)perylene	mg/kg	0.6 U	0.6 U				
Benzo(k)fluoranthene	mg/kg	0.6 U	0.6 U				
beta-BHC	mg/kg	0.02 U	0.02 U				
Chrysene	mg/kg	0.6 U	0.6 U				
delta-BHC	mg/kg	0.02 U	0.02 U				
Dibenz(a,h)anthracene	mg/kg	0.6 U	0.6 U				
Fluoranthene	mg/kg	0.6 U	0.6 U				
Fluorene	mg/kg	0.6 U	0.6 U				
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U				
Hexachlorobenzene	mg/kg	0.02 U	0.02 U				
Hexachlorobutadiene	mg/kg	0.02 U	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.02 U				
Indeno(1,2,3-cd)pyrene	mg/kg	0.6 U	0.6 U				
Naphthalene	mg/kg	0.6 U	0.6 U				
Phenanthrene	mg/kg	0.6 U	0.6 U				
Pyrene	mg/kg	0.6 U	0.6 U				
<i>Metals</i>							
Antimony	mg/kg	5.8 U	1.1 U	5.9 U	1.2 U	5.7 U	5.6 U
Arsenic	mg/kg	3.8	4.0	3.4	1.6	3.1	4

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	AR-7	AR-7	AR-8	AR-8	AR-9	AR-9	AR-10
<i>Parameters</i>	<i>Units</i>						
<i>Sample ID:</i>	S-040512-AK-146	S-040512-AK-143	S-040512-AK-148	S-040512-AK-147	S-040512-AK-150	S-040512-AK-149	S-040612-AK-152
<i>Sample Date:</i>	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/6/2012
<i>Sample Depth:</i>	(10-13.5) ft BGS <i>(Duplicate)</i>	(30-32) ft BGS	(12-14) ft BGS	(34-36) ft BGS	(5-9) ft BGS	(29.5-31.5) ft BGS	(5-7) ft BGS
<i>Herbicides</i>							
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 U				
Pentachlorophenol	mg/kg	0.02 U	0.02 U	0.02 U	0.02 U	0.4	0.02 U
<i>General Chemistry</i>							
Chloride	mg/kg	172	25	40.	28	44	30.
Total organic carbon (TOC)	mg/kg	-	-	-	-	-	-
Total solids	%wt	86.1	87.7	85.3	85.5	87.9	89.7

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
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<i>Sample Location:</i>	<i>AR-10</i>	<i>AR-11</i>	<i>AR-11</i>	<i>AR-12</i>	<i>AR-12</i>	<i>AR-13</i>	<i>AR-13</i>
<i>Sample ID:</i>	S-040612-AK-151	S-040612-AK-153	S-040612-AK-154	S-040912-AK-156	S-040912-AK-155	S-040912-AK-158	S-040912-AK-157
<i>Sample Date:</i>	4/6/2012	4/6/2012	4/6/2012	4/9/2012	4/9/2012	4/9/2012	4/9/2012
<i>Sample Depth:</i>	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Volatile Organic Compounds</i>							
1,1,1-Trichloroethane	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
1,2-Dichloroethane	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
1,2-Dichloropropane	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Benzene	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Carbon tetrachloride	µg/kg	5.3 U	35.9	6.8 U	4.7 U	5.1 U	4.7 U
Chlorodifluoromethane	µg/kg	5.3 U	41.6	6.8 U	4.7 U	5.1 U	4.7 U
Chloroform (Trichloromethane)	µg/kg	21.2	40.8	6.8 U	4.7 U	5.1 U	4.7 U
Chloromethane (Methyl chloride)	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Chlorotrifluoromethane (Freon 13)	µg/kg	26 U	22 U	34 U	23 U	26 U	24 U
Dichlorodifluoromethane (CFC-12)	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Dichlorofluoromethane	µg/kg	5.3 U	52.1	6.8 U	4.7 U	5.1 U	4.7 U
Ethylbenzene	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Fluoroform	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
m&p-Xylenes	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Methylene chloride	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
o-Xylene	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Tetrachloroethene	µg/kg	5.3 U	11.9	6.8 U	4.7 U	5.1 U	4.7 U
Toluene	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Trichloroethene	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Trichlorofluoromethane (CFC-11)	µg/kg	5.3 U	14.5	6.8 U	4.7 U	5.1 U	4.7 U
Trifluorotrichloroethane (Freon 113)	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
Vinyl chloride	µg/kg	5.3 U	4.5 U	6.8 U	4.7 U	5.1 U	4.7 U
<i>Semi-volatile Organic Compounds</i>							
2,3,4,5-Tetrachlorophenol	mg/kg	2.1 U	2.3 U	2.7 U	2.3 U	2.1 U	2.3 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.1 U	2.3 U	2.7 U	2.3 U	2.1 U	2.3 U
2,4,5-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-10</i>	<i>AR-11</i>	<i>AR-11</i>	<i>AR-12</i>	<i>AR-12</i>	<i>AR-13</i>	<i>AR-13</i>
<i>Sample ID:</i>	S-040612-AK-151	S-040612-AK-153	S-040612-AK-154	S-040912-AK-156	S-040912-AK-155	S-040912-AK-158	S-040912-AK-157
<i>Sample Date:</i>	4/6/2012	4/6/2012	4/6/2012	4/9/2012	4/9/2012	4/9/2012	4/9/2012
<i>Sample Depth:</i>	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS
<i>Parameters</i>							
<i>Units</i>							
<i>Semi-volatile Organic Compounds (Cont'd.)</i>							
2,5-Dichlorophenol	mg/kg	1.1 U	1.2 U	1.4 U	1.2 U	1.0 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
2-Chlorophenol	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
3/4-Chlorophenol	mg/kg	2.1 U	2.3 U	2.7 U	2.3 U	2.1 U	2.3 U
Acenaphthene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Acenaphthylene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
alpha-BHC	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Anthracene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Benzo(a)anthracene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Benzo(a)pyrene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Benzo(b)fluoranthene/Benzo(j)fluoranthene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Benzo(g,h,i)perylene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Benzo(k)fluoranthene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
beta-BHC	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.30
Chrysene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
delta-BHC	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Dibenz(a,h)anthracene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Fluoranthene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Fluorene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Naphthalene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Phenanthrene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
Pyrene	mg/kg	0.5 U	0.6 U	0.7 U	0.6 U	0.5 U	0.6 U
<i>Metals</i>							
Antimony	mg/kg	1.1 U	5.8 U	6.8 U	5.8 U	1.0 U	5.8 U
Arsenic	mg/kg	1.6	3.4	29	4	1.4	4

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-10</i>	<i>AR-11</i>	<i>AR-11</i>	<i>AR-12</i>	<i>AR-12</i>	<i>AR-13</i>	<i>AR-13</i>
<i>Sample ID:</i>	S-040612-AK-151	S-040612-AK-153	S-040612-AK-154	S-040912-AK-156	S-040912-AK-155	S-040912-AK-158	S-040912-AK-157
<i>Sample Date:</i>	4/6/2012	4/6/2012	4/6/2012	4/9/2012	4/9/2012	4/9/2012	4/9/2012
<i>Sample Depth:</i>	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS	(5-7) ft BGS	(29-31) ft BGS
<i>Parameters</i>	<i>Units</i>						
<i>Herbicides</i>							
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.02 UJ	0.03 U	0.02 U	0.02 UJ	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.02 UJ	0.03 U	0.02 U	0.02 UJ	0.02 U
<i>General Chemistry</i>							
Chloride	mg/kg	16	32	43	850	11	12 U
Total organic carbon (TOC)	mg/kg	-	-	-	-	1000 U	-
Total solids	%wt	94.6	85.7	73.4	86.7	97.1	86.6
							82.9

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-14</i>	<i>AR-14</i>	<i>AR-15</i>	<i>AR-15</i>
<i>Sample ID:</i>	S-041012-AK-161	S-041012-AK-160	S-041012-AK-163	S-041012-AK-162
<i>Sample Date:</i>	4/10/2012	4/10/2012	4/10/2012	4/10/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(28.5-30.5) ft BGS	(5-7) ft BGS	(29-31) ft BGS
<i>Parameters</i>				
<i>Units</i>				
<i>Volatile Organic Compounds</i>				
1,1,1-Trichloroethane	µg/kg	4.5 U	6.6 U	4.6 U
1,2-Dichloroethane	µg/kg	4.5 U	6.6 U	4.6 U
1,2-Dichloropropane	µg/kg	4.5 U	6.6 U	4.6 U
Benzene	µg/kg	4.5 U	6.6 U	4.6 U
Carbon tetrachloride	µg/kg	4.5 U	6.6 U	4.6 U
Chlorodifluoromethane	µg/kg	4.5 U	6.6 U	4.6 U
Chloroform (Trichloromethane)	µg/kg	4.5 U	6.6 U	11.9
Chloromethane (Methyl chloride)	µg/kg	4.5 U	6.6 U	4.6 U
Chlorotrifluoromethane (Freon 13)	µg/kg	22 U	33 U	23 U
Dichlorodifluoromethane (CFC-12)	µg/kg	4.5 U	6.6 U	4.6 U
Dichlorofluoromethane	µg/kg	4.5 U	6.6 U	4.6 U
Ethylbenzene	µg/kg	4.5 U	6.6 U	4.6 U
Fluoroform	µg/kg	4.5 U	6.6 U	4.6 U
m&p-Xylenes	µg/kg	4.5 U	6.6 U	4.6 U
Methylene chloride	µg/kg	4.5 U	6.6 U	4.6 U
o-Xylene	µg/kg	4.5 U	6.6 U	4.6 U
Tetrachloroethene	µg/kg	4.5 U	6.6 U	37.1
Toluene	µg/kg	4.5 U	6.6 U	4.6 U
Trichloroethene	µg/kg	4.5 U	6.6 U	4.6 U
Trichlorofluoromethane (CFC-11)	µg/kg	4.5 U	6.6 U	4.6 U
Trifluorotrichloroethane (Freon 113)	µg/kg	4.5 U	6.6 U	4.6 U
Vinyl chloride	µg/kg	4.5 U	6.6 U	4.6 U
<i>Semi-volatile Organic Compounds</i>				
2,3,4,5-Tetrachlorophenol	mg/kg	2.3 U	2.6 U	2.3 U
2,3,4,6-Tetrachlorophenol	mg/kg	2.3 U	2.6 U	2.3 U
2,4,5-Trichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U
2,4,6-Trichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U
2,4-Dichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
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<i>Sample Location:</i>	<i>AR-14</i>	<i>AR-14</i>	<i>AR-15</i>	<i>AR-15</i>
<i>Sample ID:</i>	S-041012-AK-161	S-041012-AK-160	S-041012-AK-163	S-041012-AK-162
<i>Sample Date:</i>	4/10/2012	4/10/2012	4/10/2012	4/10/2012
<i>Sample Depth:</i>	(5-7) ft BGS	(28.5-30.5) ft BGS	(5-7) ft BGS	(29-31) ft BGS
<i>Parameters</i>				
<i>Units</i>				
<i>Semi-volatile Organic Compounds (Cont'd.)</i>				
2,5-Dichlorophenol	mg/kg	1.1 U	1.3 U	1.2 U
2,6-Dichlorophenol	mg/kg	0.6 U	0.7 U	0.6 U
2-Chlorophenol	mg/kg	0.6 U	0.7 U	0.6 U
3/4-Chlorophenol	mg/kg	2.3 U	2.6 U	2.3 U
Acenaphthene	mg/kg	0.6 U	0.7 U	0.6 U
Acenaphthylene	mg/kg	0.6 U	0.7 U	0.6 U
alpha-BHC	mg/kg	0.02 U	0.03 U	0.02 U
Anthracene	mg/kg	0.6 U	0.7 U	0.6 U
Benzo(a)anthracene	mg/kg	0.6 U	0.7 U	0.6 U
Benzo(a)pyrene	mg/kg	0.6 U	0.7 U	0.6 U
Benzo(b)fluoranthene/Benzo(j)fluoranthene	mg/kg	0.6 U	0.7 U	0.6 U
Benzo(g,h,i)perylene	mg/kg	0.6 U	0.7 U	0.6 U
Benzo(k)fluoranthene	mg/kg	0.6 U	0.7 U	0.6 U
beta-BHC	mg/kg	0.02 U	0.03 U	0.03
Chrysene	mg/kg	0.6 U	0.7 U	0.6 U
delta-BHC	mg/kg	0.02 U	0.03 U	0.02 U
Dibenz(a,h)anthracene	mg/kg	0.6 U	0.7 U	0.6 U
Fluoranthene	mg/kg	0.6 U	0.7 U	0.6 U
Fluorene	mg/kg	0.6 U	0.7 U	0.6 U
gamma-BHC (lindane)	mg/kg	0.02 U	0.03 U	0.02 U
Hexachlorobenzene	mg/kg	0.02 U	0.04	0.02 U
Hexachlorobutadiene	mg/kg	0.02 U	0.03 U	0.02 U
Hexachloroethane	mg/kg	0.02 U	0.03 U	0.02 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.6 U	0.7 U	0.6 U
Naphthalene	mg/kg	0.6 U	0.7 U	0.6 U
Phenanthrene	mg/kg	0.6 U	0.7 U	0.6 U
Pyrene	mg/kg	0.6 U	0.7 U	0.6 U
<i>Metals</i>				
Antimony	mg/kg	5.7 U	6.6 U	5.8 U
Arsenic	mg/kg	4	7.4	4

TABLE 3

**ANALYTICAL RESULTS SUMMARY
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012**

<i>Sample Location:</i>	<i>AR-14</i>	<i>AR-14</i>	<i>AR-15</i>	<i>AR-15</i>
<i>Sample ID:</i>	<i>S-041012-AK-161</i>	<i>S-041012-AK-160</i>	<i>S-041012-AK-163</i>	<i>S-041012-AK-162</i>
<i>Sample Date:</i>	<i>4/10/2012</i>	<i>4/10/2012</i>	<i>4/10/2012</i>	<i>4/10/2012</i>
<i>Sample Depth:</i>	<i>(5-7) ft BGS</i>	<i>(28.5-30.5) ft BGS</i>	<i>(5-7) ft BGS</i>	<i>(29-31) ft BGS</i>
<i>Parameters</i>				
<i>Units</i>				
<i>Herbicides</i>				
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	0.02 U	0.03 U	0.02 U
Pentachlorophenol	mg/kg	0.02 U	0.03 U	0.02 U
<i>General Chemistry</i>				
Chloride	mg/kg	110	15	31
Total organic carbon (TOC)	mg/kg	-	-	1200 U
Total solids	%wt	87.3	75.8	81.6

Notes:

J - Estimated concentration.

R - Rejected.

U - Not present at or above the associated value.

UJ - Estimated reporting limit.

- Not analyzed.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING SURROGATE RECOVERIES
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
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<i>Parameter</i>	<i>Surrogate</i>	<i>Surrogate Recovery (percent)</i>	<i>Control Limits (percent)</i>	<i>Sample ID</i>	<i>Analytes</i>	<i>Qualified Sample Results</i>	<i>Units</i>
VOCs	1,2-Dichloroethane-d4 toluene-d8	152 146	54.2-148 73.3-137	S-040512-AK-148	Tetrachloroethene Carbon tetrachloride Chloroform (Trichloromethane) Dichlorofluoromethane	740 J 500 J 6240 J 70 J	µg/Kg µg/Kg µg/Kg µg/Kg
VOCs	1,2-Dichloroethane-d4	167	54.2-148	S-040512-AK-141	Tetrachloroethene Carbon tetrachloride Chloroform (Trichloromethane) Dichlorofluoromethane Dichlorodifluoromethane (CFC-12) Trifluorotrichloroethane (Freon 113) Trichlorofluoromethane (CFC-11)	101 J 18.9 J 22.4 J 11 J 8.5 J 45.8 J 60 J	µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg
Herbicides	2,4-Dichlorophenylacetic acid	72.3	74.5-137	S-040612-AK-153	Pentachlorophenol 2,4-Dichlorophenoxyacetic acid (2,4-D)	0.02 UJ 0.02 UJ	mg/kg mg/kg
Herbicides	2,4-Dichlorophenylacetic acid	71.7	74.5-137	S-040912-AK-155	Pentachlorophenol 2,4-Dichlorophenoxyacetic acid (2,4-D)	0.02 UJ 0.02 UJ	mg/kg mg/kg

Notes:

VOCs Volatile Organic Compounds.

J Estimated.

UJ Not detected, estimated reporting limit.

TABLE 5

QUALIFIED SAMPLE RESULTS DUE TO ANALYTE CONCENTRATIONS IN THE METHOD BLANKS
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012

<i>Parameter</i>	<i>Analysis Date</i>	<i>Analyte</i>	<i>Blank Result</i>	<i>Sample ID</i>	<i>Qualified Sample Result</i>	<i>Units</i>
VOCs	04/19/12	Methylene Chloride	20J	S-040512-AK-144 S-040512-AK-148 S-040512-AK-150	30 U 60 U 30 U	µg/Kg µg/Kg µg/Kg
VOCs	04/16/12	Methylene Chloride	20J	S-040412-AK-131	6.1 U	µg/Kg

Notes:

VOCs Volatile Organic Compounds.

J Estimated.

U Not detected.

TABLE 6

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING LABORATORY CONTROL SAMPLE RECOVERIES
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012

<i>Parameter</i>	<i>Compound</i>	<i>Percent Recovery</i>	<i>Control Limits (percent)</i>	<i>Associated Sample ID</i>	<i>Qualified Sample Results</i>	<i>Units</i>
VOCs	Chlorotrifluoromethane (Freon 13)	20.3	60-140	S-040412-AK-129	20000	UJ µg/Kg
				S-040412-AK-130	200	UJ µg/Kg
				S-040412-AK-131	30	UJ µg/Kg
				S-040412-AK-132	17	UJ µg/Kg

Notes:

- VOCs Volatile Organic Compounds.
 UJ Not detected, estimated reporting limit.

TABLE 7

QUALIFIED SAMPLE RESULTS DUE TO OUTLYING MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES
ARKEMA SOIL SAMPLING EVENT
OCCIDENTAL CHEMICAL CORPORATION
WICHITA, KANSAS
APRIL 2012

<i>Parameter</i>	<i>Associated Sample ID</i>	<i>Analyte</i>	<i>MS Recovery</i>	<i>MSD Recovery</i>	<i>RPD</i>	<i>Control Limits</i>		<i>Qualified Sample Result</i>	<i>Units</i>
			(percent)	(percent)		<i>Recovery (percent)</i>	<i>RPD (percent)</i>		
VOCs	S-040512-AK-150	Chlorotrifluoromethane (Freon 13)	0	0	NA	60-140	20	R	µg/Kg
VOCs	S-040412-AK-134	Tetrachloroethene	225	116	63.9	36.1-177	24.8	21.4 J	µg/Kg
General Chemistry	S-040412-AK-133	Chloride	37.1	26.6	33	51.7-151	17.3	56 J	mg/kg
	S-040412-AK-134							670 J	mg/kg
	S-040412-AK-135							35 J	mg/kg
	S-040412-AK-136							56 J	mg/kg
	S-040512-AK-139							41 J	mg/kg
	S-040512-AK-140							800 J	mg/kg
	S-040512-AK-141							47 J	mg/kg
	S-040512-AK-142							332 J	mg/kg

Notes:

J Estimated.

R Rejected.

MS Matrix Spike.

MSD Matrix Spike Duplicate.

RPD Relative Percent Difference.

VOCs Volatile Organic Compounds.

NA Not available.